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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

VOLUME 10 - EDITORIAL NOTE

From now on the Compilers of the "Current Bibliography for Aquatic Sciences and Fisheries" are including current Author, Geographic, Taxonomic, Subject and Citation Indexes for references within each of the two sections of a volume. This supersedes the previous procedure whereby a volume index was included in the second section of each volume. The indexes will however be paginated continuously within each volume so that they can be bound together if desired.

The Compilers also recognize that cumulative volume indexes would facilitate use of the CBASF and are considering providing these, in suitable form, for volumes 1 to 10.

CURRENT BIBLIOGRAPHY EOR AQUATIC SCIENCES AND FISHERIES

World List Abbreviation: *Curr. Bibliogr. aquat. Sci. Fish.*

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9. Errata and Addenda to "Explanation of Coverage and Arrangement"

3. References

3.1 Authors

Names and abbreviations of Organizations and Projects

Insert in alphabetical order the following :

CERBOM	Centre d'Etudes et de Recherches de Biologie et d'Océanographie Médicale
COFI(FAO)	Committee on Fisheries Comité des Pêches Comite de Pesca
IUHPS	International Union of the History and Philosophy of Science Union Internationale d'Histoire et de Philosophie des Sciences Union Internacional de Historia y Filosofía de las Ciencias Internationaler Verband für Geschichte und Philosophie der Wissenschaften
UNDP	United Nations Development Program Programme des Nations Unies pour le Développement Programa de las Naciones Unidas para el Desarollo

Correct SEASCO to read

SEASCO (UNESCO)

4. Annotations and Treatment of Special Cases

4.1 Treatment of publications not seen by compilers Code for abstracting journals

Insert in alphabetical order the following :

Bibliography of Indian Fisheries ..	BIF
Indian Science Abstracts ..	ISA

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VOLUME 10—PART 1—REFERENCES

10-10001 to 10-13670

GENERAL (OCEANOGRAPHY, LIMNOLOGY, AND FISHERIES)

FAO. Working Party for Rational Utilization of Tuna Resources in the Atlantic Ocean. Second session, Rome, 6-13 July 1965 (1965) 10-10001 M
FAO Fish.Rep., (27):27 p.
Report of the .....

Contains background information on the action taken by FAO on the report of the first session of the Working Party, the work of the second session of the Working Party, and six annexes containing deliberations of the 43rd session of the FAO Council, list of papers, draft international convention for the conservation of Atlantic tunas, relationship between the proposed commission and FAO, and a report by the working group on statistics of Atlantic tuna and tuna-like fishes.
Co 8-05003, Do 9-064me.

Groupe de Travail FAO sur l'Utilisation Rationelle des Ressources Thonières de l'Océan Atlantique. Deuxième session, Rome, 6-13 juillet 1965 (1965) 10-10002 M
FAO Fish.Rep.(Fr), (27):26 p.
Rapport du ....

Fr 10-10001, Co 8-06002, Do 9-064me.

Grupo de Trabajo de la FAO sobre Aprovechamiento Racional de los Recursos Atuneros del Océano Atlántico. Segundo período de sesiones, Roma, 6-13 julio 1965 (1965) 10-10003 M
FAO Fish.Rep.(Es), (27):29 p.
Informe del .....

Es 10-10001, Co 8-06004, Do 9-064me.

Carroz, J.E. & FAO Fisheries Biology Branch (1965) 10-10004 M
FAO Fish.tech.Pap., (58):29 p.
Establishment, structure, functions and activities of international fisheries bodies. 2. Inter-American Tropical Tuna Commission (I-ATTC)

Reviews the work, methods and achievements of I-ATTC, describes area covered, fleet, membership, proposed regulations of yellowfin, reports and publications. Appends the text of the convention and rules procedure.
Co 10-10181.
FRs:efa

ACMRR(FAO). Segunda reunión, Roma, 6-12 febrero 1964 (1965) 10-10005 M
FAO Fish.Rep.(Es), (20):63 p.
Informe de la segunda reunión del comité asesor sobre investigaciones de los recursos marinos
(Report of the second session of the advisory committee on marine resources research)

Es 9-09001.

GFCM (1962) 10-10006 M
Inform.Bull.gen.Fish.Coun.Medit., (22):55 p.

Fr 62-06320.

IUCN (1964) 10-10007 M
IUCN Bull., (12):8 p.

Contains items and comment on Antarctic whaling problems; oil pollution of the sea; marine resource conservation generally.

IIOE (1964) 10-10008 M
IIOE Newslett.Jap.,(5):14 p.

Published by IIOE Data Centre of Japan, Meteorological Agency, Tokyo. Gives news of progress of Indian Ocean expedition plans and execution, especially Japanese participation. Incl. addresses, cruise plans, resolutions of IOC etc.

U.K. Marine Biological Association (1964) 10-10009 M
J.Mar.biol.Ass.U.K., 44:807-33
Marine biological association of the United Kingdom. Report of the council for 1963-64

Port Erin. Marine Biological Station (1962) 10-10010 M
Rep.Mar.biol.Sta.Pt Erin, (74) 1961:43 p.

Contains director's report on staff, buildings, equipment, boats and gear; work done (fish and fisheries, invertebrates and plankton, botany, hydrography). Programme for 1962; meetings attended by staff, visiting research workers; student classes held; hatchery and aquarium; publications. Includes papers by A.B. Bowers, D.J. Slinn, P.J. Miller, D. Eggleston and E. Murray.
FAO:sjh

L.H.N.C. (1964) 10-10011 M
J.Mar.biol.Ass.U.K., 44:757
Book reviews. Progress in oceanography, Vol. 1

RE 9-10054.

ANON. (1964) 10-10012 M
J.Mar.biol.Ass.U.K., 44:275
Book review. Biology of the seas of the U.S.S.R.

Re 9-07213.

Tokyo University. Ocean Research Institute (1964) 10-10013 M
4 p.
Calender of the ocean research institute, university of Tokyo 1962-1963

Briefly describes purpose and lists staff of this new institute formed in April 1962. Note on present and planned research vessels.

UNESCO & FAO (1964) 10-10014 M
Int.Mar.Sci., 2(4):32 p.

Contains announcement and short reports of national committees for oceanographic research, oceanographic programs, international projects, meetings and training facilities, new research craft, institutions and periodicals, as well as activities of United Nations and other agencies.

Rudnick, P. (1964) 10-10015 M
Science, 146(3649):1268-73
Flip: an oceanographic buoy

A novel structure provides a quiet platform of great stability for acoustic and other research at sea.

Priestley, R.E., R.J. Adie & G. de Q. Robin (Eds.)(1964)C 10-10016 M
London, Butterworth & Co., 360 p.
Antarctic research. A review of British scientific achievement in Antarctica

Contains the following chapters of interest in relation to fisheries marine science; seals and sealing by W.N. Bonner & R.M. Laws; whales and whaling by F.C. Fraser; fish by N.B. Marshall; international co-operation and geophysics by G.de Q. Robin; circulation of the atmosphere by H.H. Lamb; the climate by H.H. Lamb; the southern ocean by G.E.R. Deacon; pack ice by J.A. Heap. Incl. indexes and bibliographies of contributers.

avolga, W.N. (Ed.) (1964)BC 10-10017 M
ew York, Pergamon Press Inc., 413 p.
arine bio-acoustics

ogalla, E.H. (1964) 10-10018 M
tsch.hydrogr.Z., 17(2):88
arine bio-acoustics

e 10-10017.

ON. (1964) 10-10019 M
attino, 73(320):8
conclude oggi all'Aquarium un convegno
studio sulla biologia marina
oday is terminating a meeting on the study
marine biology at the Aquarium). It

ientists of the Mediterranean countries have rticipated at the meeting, held at the azione Zoologica in Naples, and have re-ested active cooperation for the establish-nt of an association of Mediterranean rine biology.

OE (1963) 10-10020 M
OE Newslett.Jap., (4):12 p.

blished by IIOE Data Centre of Japan, teorological Agency, Tokyo. Gives news of ogress of Indian Ocean Expedition plans and ecution, especially Japanese participation. cl. addresses, cruise plans,resolutions of C etc.

aig, R.E. & R. Priestly 10-10021 M
(1963)
r.Res., (1):24 p.
dersea photography in marine research

rious items of equipment used and techniques ployed in their application discussed on sis of experience gained in work at Marine boratory, Aberdeen. Four types of camera d uses to which they are put in fisheries search are described in detail. Engineering awings and electrical-layout diagrams are ven as well as examples of underwater otographs of substrates, fish and gear. cl. appendices: A note on the need for rrection of a camera lens used with a plane ndow underwater by R.E. Craig and R. iestly, and design of the underwater ilite lens by C.G. Wynne.

Wynne, C.G. (1963) 10-10022 M
Mar.Res., (1):23-4
Design of the underwater unilite lens

Butler, J.C. (1964)BC 10-10023 M
New York, Little Brown and Co., 243 p.
Danger - shark!

Wilbur, K.M. & C.M. Yonge (Eds) 10-10024 M
(1964)C
New York, Academic Press Inc., 473 p.
Physiology of Mollusca. Volume 1

Contains: Classification and structure of the Mollusca, by J.E. Morton and C.M. Yonge; Physiological aspects of the ecology of intertidal molluscs, by G.E. Newell; Physiological aspects of ecology in nonmarine molluscs, by W.R. Hunter; Reproduction, by V. Fretter and A. Graham; Development, by C.P. Raven; The culture of marine bivalve larvae, by P.R. Walne; Growth, by K.M. Wilbur and G. Owen; Shell formation and regeneration, by K.M. Wilbur; Osmotic and ionic regulation, by J.D. Robertson; Muscle and neuromuscular physiology, by G. Hoyle; Special effectors: Luminous organs, chromatophores, pigments, and poison glands, by J.A.C. Nicol; Locomotion, by J.E. Morton; The buoyancy of marine molluscs, by E.J. Denton. Incl. author index, subject index, systematic index.

McElheny, V.K. (1964) 10-10025 M
Science, 146(3640):45-8
Revival of oceanography in Germany

Describes the new German research vessel METEOR, gives data on scientific staff working at Kiel and Hamburg, and history of marine research. Reports the last cruises in Atlantic and Indian Oceans.

Garth, J.S. (1963) 10-10026 M
Amer.Zool., 3(3):252-4
The Allan Hancock foundation, university of Southern California

Beers, J.R. (1963) 10-10027 M
Amer.Zool., 3(3):255-7
The Bermuda biological station for research

Riley, G.A. (1963) 10-10028 M
Amer.Zool., 3(3):258-9
Bingham oceanographic laboratory, Yale university

Roedel, P.M. (1963) 10-10029 M
Amer.Zool., 3(3):260-2
The California state fisheries laboratory

Clark, E. (1963) 10-10030 M
Amer.Zool., 3(3):263-5
Cape Haze marine laboratory

Raup, S.S. (1963) 10-10031 M
Amer.Zool., 3(3):265-7
Chesapeake Bay institute and the department of oceanography, the Johns Hopkins university

Rankin, J.S.,Jr. (1963) 10-10032 M
Amer.Zool., 3(3):267-9
Marine research laboratory of the university of Connecticut

Bookhout, C.G. & F.J. Vernberg (1963) 10-10033 M
Amer.Zool., 3(3):270-2
Duke university marine laboratory

Collier, A. (1963) 10-10034 M
Amer.Zool., 3(3):272-3
Oceanographic institute, Florida state university

Chamberlain, N.A. (1963) 10-10035 M
Amer.Zool., 3(3):274-5
Fort Johnson marine biological laboratory college of Charleston

Fernald, R.L. (1963) 10-10036 M
Amer.Zool., 3(3):275-8
Friday Harbor laboratories, university of Washington

Gunter, G. (1963) 10-10037 M
Amer.Zool., 3(3):279-81
The Gulf Coast research laboratory

Banner, A.H. (1963) 10-10038 M
Amer.Zool., 3(3):282-4
Hawaii marine laboratory, university of Hawaii

Issued also as: Contr.Mar.Lab.Univ.Hawaii, (191).

Abbott, D.P. (1963) 10-10039 M
Amer.Zool., 3(3):284-6
The Hopkins marine station of Stanford university

Burkholder, P.R. (1963) 10-10040 M
Amer.Zool., 3(3):286-7
Lamont geological observatory of Columbia university

Mathewson, R.F. (1963) 10-10041 M
Amer.Zool., 3(3):288-9
The Lerner marine laboratory, the American museum of natural history

Beutel, R.L. (1963) 10-10042 M
Amer.Zool., 3(3):290-1
Institute of marine science of the university of Miami

Rieck, A.F. (1963) 10-10043 M
Amer.Zool., 3(3):292-3
The Mount Desert island biological laboratory

Picciolo, A.R. & W.L. Molo (1963) 10-10044 M
Amer.Zool., 3(3):294-6
National oceanographic data center

Chestnut, A.F. (1963) 10-10045 M
Amer.Zool., 3(3):297-8
Institute of fisheries research of the university of North Carolina

Pattullo, J.G. & J.E. McCauley (1963) 10-10046 M
Amer.Zool., 3(3):299-301
Department of oceanography, Oregon state university

Tolles, W.E. (1963) 10-10047 M
Amer.Zool., 3(3):302-3
The institute of oceanography and marine biology, Oyster Bay, New York

Randall, J.E. (1963) 10-10048 M
Amer.Zool., 3(3):303-4
Institute of marine biology, university of Puerto Rico

Walford, L.A. (1963) 10-10049 M
Amer.Zool., 3(3):305-7
The Sandy Hook marine laboratory, bureau of sport fisheries and wildlife

Lauff, G.H. (1963) 10-10050 M
Amer.Zool., 3(3):308-10
Sapelo Island research foundation, the university of Georgia marine institute

Hubbs, C.L. (1963) 10-10051 M
Amer.Zool., 3(3):311-4
Scripps institution of oceanography, university of California

Leipper, D.F. (1963) 10-10052 M
Amer.Zool., 3(3):314-5
Department of oceanography and meteorology A & M college of Texas

Hargis, W.J., Jr. (1963) 10-10053 M
Amer.Zool., 3(3):315-7
Virginia institute of marine science

Royce, W.F. (1963) 10-10054 M
Amer.Zool., 3(3):318-9
Fisheries research institute of the college of fisheries of the university of Washington

Armstrong, P.B. (1963) 10-10055 M
Amer.Zool., 3(3):319-321
Marine biological laboratory, Woods Hole, Massachusetts

Sears, N. (1963) 10-10056 M
Amer.Zool., 3(3):322-4
Woods Hole oceanographic institution

June, F.C. & T.R. Rice (1963) 10-10057 M
Amer.Zool., 3(3):365-6
Biological laboratories, Beaufort, North Carolina

Anderson, W.W. (1963) 10-10058 M
Amer.Zool., 3(3):366-7
Biological laboratory, Brunswick, Georgia

Butler, P.N. (1963) 10-10059 M
Amer.Zool., 3(3):367-8
Biological laboratory, Gulf Breeze, Florida

Lindner, M.J. (1963) 10-10060 M
Amer.Zool., 3(3):368-70
Biological laboratory, Galveston, Texas

Skud, B.E. (1963) 10-10061 M
Amer.Zool., 3(3):370
Biological laboratory, Boothbay Harbor, Maine

Graham, H.W. (1963) 10-10062 M
Amer.Zool., 3(3):371-2
Biological laboratory, Woods Hole, Massachusetts

Hanks, J.E. (1963) 10-10063 M
Amer.Zool., 3(3):372-3
Biological laboratory, Milford, Connecticut

Engle, J.B. (1963) 10-10064 M
Amer.Zool., 3(3):373-4
Biological laboratory, Oxford, Maryland

Sette, O.E. (1963) 10-10065 M
Amer.Zool., 3(3):377
Biological laboratory, Stanford, California

Ahlstrom, E.H. (1963) 10-10066 M
Amer.Zool., 3(3):377-8
Biological laboratory, La Jolla, California

Howard, G.V. (1963) 10-10067 M
Amer.Zool., 3(3):378-9
Biological laboratory, San Diego, California

Marr, J.C. (1963) 10-10068 M
Amer.Zool., 3(3):379-80
Biological laboratory, Honolulu, Hawaii

Bullis, H.R.,Jr. (1963) 10-10069 M
Amer.Zool., 3(3):384
Exploratory fishing base, Pascagoula, Mississippi

Rathjen, W.F. (1963) 10-10070 M
Amer.Zool., 3(3):385
Exploratory fishing and gear research base, Juneau, Alaska

Smith, K. (1963) 10-10071 M
Amer.Zool., 3(3):385
Exploratory fishing and gear research base, Gloucester, Massachusetts

VNIRO (1963) 10-10072 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):316 p.
Sovetskie rybokhoziaistvennye issledovaniia v severo-vostochnoi chasti Tikhogo okeana. Vypusk 1.
(Fishery investigations in the north-eastern part of the Pacific Ocean. Part 1.)

Contains 10-10278 to 10-10283, 10-11186, 10-11448, 10-11449, 10-11450, 10-12477 to 10-12483.

Kaplin, P.A. & V.L. Boldyrev (1961) 10-10073 M
Trud.Kom.okeanogr., 8
Sovmestnye pol'sko-sovetskie issledovaniia na beregakh Baltiiskogo moria v 1958 g
(Joint Polish and Soviet investigations on the Baltic coast in 1958)

IHB (1963) 10-10074 M
Int.hydrogr.Bull., (4):100-51

Contains notes on activities of the bureau and information on: charts, sailing directions, lights, tides and currents, work carried out and projected, new charts and new editions of charts.

NODC (1963) 10-10075 M
News Lett.nat.oceanogr.Data Cent., (4):12 p.

Contains announcements and short reports of meetings, working groups etc., cruise and project plans, publications, activities of institutes, scientists, and organizations, university activities, fellowships.

ANON. (1963) 10-10076 M
WMO Bull., 12(1):20-2
Oceanography - a sister science on the move

Recent developments; Intergovernmental Oceanographic Commission and joint IOC/WMO activities.

Sysoev, N.N. (1963) 10-10077 M
M.5147
The Soviet expedition ship VITYAZ

Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

ANON. (1962)B 10-10078 M
Trud.okeanogr.Kom.Akad.Nauk.SSR, 14:5-6,76-107, 116-30
(Data from the first plenum of the section on underwater research, oceanographic commission).
Ru

ANON. (1963) 10-10079 M
JPRS:21434:77 p.
Data from the first plenum of the section on underwater research, oceanographic commission

Contains papers: Underwater research section of the Oceanographic Commission, USSR Academy of Sciences, and its tasks, by O.B. Mokievskii; Underwater research at the Sevastopol Biological Station, Ukrainian Academy of Sciences, by M.P. Aronov; Observations on the operation of fishing trawls in the Black Sea, by B.V. Vyskrebentsev; The place of underwater observations in ichthyological research, by D.V. Radakov; Research under ice with an aqualung, by D.S. Paylov & D.S. Nikolaev; Biological research on the submarine SEVERYANKA, by M.I. Ryzhenko; Underwater observations on the reaction of herring to artificial light, by O.A. Sokolov; Observations on plankton from the submarine SEVERYANKA, by N.S. Khromov; Requirements for a research submarine, by O.A. Sokolov; Observations of commercial fish from Soviet hydrostats, by O.N. Kiselev; Designing a Soviet bathyscape, by M.N. Diomidov
En 10-10078.
Available from Office of Technical Services, U.S. Department of Commerce, Washington, D.C.

NAS/NRC(US) (1964)C 10-10080 M
Washington, D.C., 9 p.
Report of a conference on Mediterranean marine biology, May 30 - June 3, 1963

With amount of precedents, especially of International Conference on Marine Biological Laboratories sponsored by IUBS and held in Rome, April 18-23, 1955, and reported in full in IUBS Bull., (1):21-4, report is mainly concerned with proposed purposes and activities of regional federations of marine biological stations, with special reference to the Mediterranean basin.

Murray, J. & J. Hjort (1964)C 10-10081 M
New York, Stechert-Hafner, Inc., 822 p.
The depths of the ocean

NE 1912, J. Murray & J. Hjort.

Gilbert, P.W. (Ed.) (1963)C 10-10082 M
Boston, Heath, 578 p.
Sharks and survival

Outgrowth of the Conference on the Basic Research Approaches to the Development of Shark Repellents held in New Orleans, April 8-11, 1958, incl. some of its papers and additional chapters contributed by other investigators.

ANON. (1964) 10-10083 M
Fish.Newslett.Aust., 23(6):26-7
New light on behaviour and attacks

Re 10-10082.

Cushing, D.H. (1964) 10-10084 M
Endeavour, 23(89):111
Marine biology

Re 10-10085.

Nekrasova, V.A. & V.N. Stepanov (1963)B 10-10085 M
Okeanologiia, 8:34-51
(Meridional hydrological profiles of the oceans from IGY data). Ru

Nekrasova, V.A. & V.N. Stepanov 10-10086 M
ETC, TT-65-61354:15 p.
Meridional hydrological profiles of the oceans from IGY data

En 10-10085.
Available from European Translation Centre, Delft, Netherlands.

IOC (1963)C 10-10087 M
Paris, UNESCO: 76 p.
Fixed oceanographic stations of the world, 1963

A supplement to the two maps of World Distribution of Fixed Oceanographic Stations, 1963, printed upon the recommendation of the IOC. Shows what is presently available to oceanographers on a global scale in terms of long-period oceanographic observations; tide gauges have generally not been included.
Ci 9-03060.

Menzies, R.J., L. Smith & K.O. Emery (1963) 10-10088 M
Int.Rev.Hydrobiol., 48(4):529-45
A combined underwater camera and bottom grab: a new tool for investigation of deep-sea benthos

Data on bottom fauna in coastal waters of California, obtained by photography and by direct collecting, are qualitatively and quantitatively compared.

Prasad, R.R. (1963)A 10-10089 M
Indian Livestock, 1(2):32-8
The role of marine biology in fisheries research

Akamatsu, H. (1964) 10-10090 M
Oceanogr.Mag., 15(2):123-5
Preliminary report of the Japanese expedition of deep-sea, the sixth cruise, 1963 (JEDS-6)

Brief note on aims of expedition; list of personnel; work carried out; station locations.

Kajiura, K. (1964) 10-10091 M
J.oceanogr.Soc.Japan, 19(4):197-9
(Notes. General assembly IUGG, Berkeley, 1963). Ni

Tranter, D.J. (1964) 10-10092 M
Aust.Nat.Hist., 14(10):323-5
The International Indian Ocean Expedition

Brief general notes; the establishment of the Indian Ocean Biological Centrè in Cochin, India, as a receiving centre for zooplankton samples; study of wind systems.

Tsukamoto, Y. & B. Kawamura (1964) 10-10093 M
Hydrogr.Bull., Tokyo, (76):1-4
(Application of echo-sounding navigation).
Ni En

Explanation of the direct method for ascertaining ship's position by analysis of sounding records in the area.

Zenkevitch, L. (1964) 10-10094 M
Oceanus, 11(1):15-21
Soviet oceanology

Discoveries of the VITIAZ in the Pacific including different aspects of submarine relief, iron and manganese concentrations on ocean bottom; a new group of animals - Pogonophora; counter currents and note on instrumentation.

ANON. (1964) 10-10095 M
Fish.Newslett.Aust., 23(6):11
Underwater photography problems overcome

Brief description of problems involved in underwater photography as an aid to study of the ocean floor and fish etc. with note on development of a new lens for distortion free photographs.

ANON. (1964) 10-10096 M
Fish.Newslett.Aust., 23(8):27-9
I.W.C. fails to agree on Antarctic whale quota

Brief report of proceedings.

Bezrukov, P.L. (1961) 10-10097 M
Okeanologiia, 1:257-69
Polozhenie morskoi geologii sredi slozhnykh nauk i ee osnovnye zadachi
(The position of marine geology among the complex sciences and its principal aims)

Seleznev, S.M. (1961) 10-10098 M
Met.i Gidrol., (5):44-8
Sluzhba tsunami v Iaponii
(The tsunami service in Japan)

Schumacher, A. (1963) 10-10099 M
Z.Met., 16(11/12):338 p.
Ozeanographische Sonderuntersuchungen
(Special oceanographic investigations)

Garratt, A. (Ed.) (1963)C 10-10100 M
London, Cox & Wyman Ltd., 223 p.
Penguin science survey 1963-A

Deacon, G.E.R. (1963) 10-10101 M
In 10-10100:63-78
Physics of the oceans

Contributions to a survey of contemporary research in the physical sciences.

ANON. (1963) 10-10102 M
Industr.pesq.,Vigo, 37(857):4
El buque ACONA - Para investigación oceanográfica
(The vessel ACONA for oceanographic investigations)

Describes the new vessel of the University of Washington, U.S.A.

Calvo, M. (1963) 10-10103 M
Industr.pesq.,Vigo, 37(857):12
El Océano Indico. 40 barcos de investigación a explorar sus pesquerías
(The Indian Ocean. 40 research vessels exploring its fisheries)

Brief description of the Indian Ocean project.

Miller, R.L. (1964)BC 10-10104 M
New York, Macmillan, 531 p.
Papers in marine geology: Shepard commemorative volume

Cloud, P.E. Jr. (1964) 10-10105 M
Science, 146(3642):386-7
Papers in marine geology: Shepard commemorative volume

Re 10-10104.

USFWS. Bureau of Commercial Fisheries (1964) 10-10106 M
News Notes sci.Activ.U.S.Bur.comm.Fish., June, 2 p., mimeo

Brief note on Bureau's participation in the International Indian Ocean Expedition, comprising 4 cruises of the ANTON BRUUN to study demersal fish and invertebrate resources in the Bay of Bengal and Arabian Sea, and pelagic fish resources in the central and western Indian Ocean.

ANON. (1963) 10-10107 M
Int.Electron., 5(4):41
Solid-state Doppler tells ship's speed

IA 18(6)4126.

Gorsky, N. (S.Apresyan, Transl.) (1963) 10-10108 M
Boston Spa, NLL
The Sea - friend and foe

En 10-10124.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Shuleikin, V.V. (1963) 10-10109 M
M.5138
Soviet marine physics over 40 years

En 58-2078.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Long, E.J. (Ed.)(1964)BC 10-10110 M
Annapolis, U.S. Naval Institute, 304 p.
Ocean sciences

Fisher, F.H. & F.N. Spiess (1963) 10-10111 M
J.acoust.Soc.Amer., 35(10):1633-44
FLIP - floating instrument platform

Manned buoy is 355 ft long 600 ton craft towed to station in horizontal position and operates in vertical position at draft of 300 ft.
IA 19(1)357.

ANON. (1963) 10-10112 M
Pol.marit.News, 6(53):16 p.

Section on fishing gives information about sea fisheries schools. 'Fishing News Bulletin' gives notes on catches, govt. and industrial activities.

ANON. (1963) 10-10113 M
Industr.pesq.,Vigo, 37(858):34
Meteorología en el escuadrón guardapesca británico
(Meteorology in the British fisheries guard squadron)

Describes the British meteorological service for the help of the fishing fleet.

Buianovskaia, A.A. (1963) 10-10114 M
Izv.Akad.Nauk SSSR(biol.), (1):150-1
Mezhdunarodnaia konferentsiia po voprosam issledovaniia morskoi fauny i flory severo-zapadnoi chasti Tikhogo okeana
(International conference on investigations of sea fauna and flora of the north-western part of the Pacific)

USFWS. Department of the Interior (1963) 10-10115 M
News Rel.U.S.Fish Wildl.Serv., March 8:3 p.
Interior department research vessel begins oceanographic cruise in tropical Atlantic

Outlines participation in Gulf of Guinea survey.

Day, A. (1963) 10-10116 M
Mar.Obs., 33(200):76-9
The Intergovernmental Oceanographic Commission

Describes the purposes, activities and relations of IOC with other international organizations.

A1

Godson, W.L. (1963) 10-10117 M
WMO Bull., 12(2):122-3

Re 8-12012.

NODC (1963) 10-10118 M
Publ.nat.oceanogr.Data Cent., G - 1:11 p.
Introduction to the National Oceanographic Data Center

A brief description of the oceanographic activities of the agencies sponsoring the NODC.

ICES (1963)C 10-10119 M
Charlottenlund Slot, 113 p.
Procès-verbal de la réunion 1962
(Minutes of the meeting, 1962)

Contains lists of committees and members, participants and bureau officers; resolutions, budget, minutes, reports and programs of committees (incl. consultative committee).
Pr 61-168me.

NODC (1963) 10-10120 M
News Lett.nat.oceanogr.Data Cent., (3):12 p.

Contains announcements and short reports of meetings, working groups etc., cruise and project plans, publications, activities of institutes, scientists, and organizations, university activities, symposia and university vacancies.

Canadian Committee on Oceanography (1963)AC 10-10121 M
2 p., mimeo
Report on meteorological branch activities of interest to oceanographers, March 1, 1963

Rounsefell, G.A. (1963) 10-10122 M
Circ.U.S.Fish Wildl.Serv., (161):1-6
Report of the director

Research highlights of the past year: Gulf States Marine Fisheries Commission, shift in pesticide program, termination of red-tide field operations, St. Petersburg beach field station, research vessel, east lagoon field station.

ANON. (1963) 10-10123 M
Pol.marit.News, 6(55):7
Marine research station of the P.A.S.

Article about Polish Academy of Sciences laboratory at Sopot: its staff, facilities and programme.

Gorsky, N. (1961)BC 10-10124 M
Moscow, Foreign Languages Publishing House
(The sea - friend and foe). Ru

Zatonskii, L.K. (1964)B 10-10125 M
Trud.Inst.Okeanol., 64:158-81
(New investigations of bottom relief in the Indian Ocean). Ru

Gaskell, T. (1964) 10-10126 M
New Scient., 21(376):294
Two approaches to oceanography

Re 9-10054.

Leyendekkers, J.V. (1964) 10-10127 M
Aust.J.Sci., 27(6):153-61
The international Indian Ocean expedition

Brief introductory description of the expedition and outlines of the known features of the Indian Ocean; discussion of some results obtained by Australian scientists in the eastern part of the ocean.

Leyendekkers, J. & G.R. Williams (1965)A 10-10128 M
Fish.Newslett.Aust., 24(1):13, 15
C.S.I.R.O. research - probing ocean depths and fish stocks

Fraser, A.J. (1964) 10-10129 M
Fish.Newslett.Aust., 24(12):17
Conflicting objectives

Summary of paper presented at Fisheries Management Seminar which discusses differences of opinion on the need for administrative action and the best means of implementing it.

Cowper, T.R. (1964) 10-10130 M
Fish.Newslett.Aust., 24(12):25
Australian aboard - Tasman cruise by Japanese long-liner

Note on presence of Australian scientist on board Japanese fisheries training vessel FUKUSHIMA MARU during a tuna long-lining cruise in the Tasman Sea, August-October 1964.

Taisne, C. (1964) 10-10131 M
Cah.Pacif., (6):71-5
Mission d'étude des récifs coralliens de Nouvelle-Calédonie (1960-1963)
(Mission for studies of New Caledonian coral reefs (1960-1963))

Notes of organization, list of personnel, remarks on non-scientific material; list of equipment.

Kruse, P.J. Jr. (1964) 10-10132 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.,Fish., (490):16 p.
A remote controlled underwater photographic surveillance system

Describes a motion picture camera system recording trawl mechanic and fish escape reactions. Ill.

ANON. (1965) 10-10133 M
Norsk Hvalfangst-tid., 54(2):25-30
International whaling commission, chairman's report on the sixteenth meeting

Quebec. Grande-Rivière, Station de Biologie Marine (1964) 10-10134 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1963:136 p.

Includes 16 papers dealing with meteorology, physical oceanography, marine biology, experimental catches, statistics of yields. Lists staff and publications. Incl. administrative reports.

ICES (1964) 10-10135 M
Cooper.Res.Rep.int.Coun.Explor.Sea, 2:156 p.

Reports in 4 parts the result of 1958 and 1959 international selectivity experiments, tabular summary of available cod-end mesh selection data in the ICES area and gives general considerations of trawl and seine-cod-end mesh selection and its measurement. Incl. a comprehensive bibliography on the subject.

Forbes, L.M. (Ed.)(1963) 10-10136 M
Polar Rec., 11(75):677-832

Contains notes on the 1961 voyage of LENIN, incl. oceanographic work in the Arctic; "Northwestlant 1-3" expeditions of ICNAF; 6th annual meeting of N. Pacific Fur Seal Commission; air photography in sea-ice studies; planned tidal power station in the Soviet Arctic; work on oceanography and marine biology at Arctic Research Laboratory Ice Station "ARLIS II"; the area of the Antarctic continental shelf. Contains Scar Bull. (15) with abstract of "Tectonic and relief maps of the sea floor in the Southern Ocean" by A.V. Zhivago.
Contains 9-02082, 10-10210.

Blackburn, M. (1963)A 10-10137 M
SIO Ref., 63-8:18 p.
Scripps Tuna Oceanography Research (STOR) Program. Report for the half-year July 1, 1962 - December 31, 1962

U.K. Meteorological Office (1963) 10-10138 M
London, H.M.S.O., M.O. 522
Marine observer's handbook. 8th edition

South Africa. Department of Commerce and Industries. Division of Sea Fisheries (1964) 10-10139 M
Rep.Div.Fish.S.Afr., 32(1960-61):267 p.

Reports industrial activities of the division with regard to inshore (pilchard/maasbanker, rock lobster and others) and deep-sea (trawling, whaling) fisheries; administration of harbours, legislation, aquarium, staff; research especially on pilchard/maasbanker; station lists of research vessels with tabulated hydrographical data, with illustrative charts.

Hedgpeth, J.W. (1964) 10-10140 M
Quart.Rev.Biol., 39(2):192-3
Biology of the seas of the U.S.S.R.

Re 9-11007.

Vélez, M.V. (1963) 10-10141 M
In 10-12332:69-86
Biología marina y pesquería
(Marine biology and fisheries)

Otorubio, F.O. (1963) 10-10142 M
Paper presented to World Food Congress, Washington, D.C., 4-18 June 1963, WFC/63/CP/I.C/2b:9 p.
Fisheries

Do 61-428me.

IOF (1965) 10-10143 M
Sea Frontiers, 11(2):66-127

This issue contains the following semi-popular articles: A coral reef at night by W.A. Starck, 11 & R.E. Schroeder; Preparing for SEALAB 11; Afloat on a cushion of air by D. Fishlock; Genetics of marine fish by E.S. Iversen; Voyage to nowhere; Hamster in a fish tank by G. Soule; Summer cruise to the Sargasso Sea by W.M. Stephens; Science of the sea in books.

UNESCO (1965) 10-10144 M
Tech.Ser.intergov.oceanogr.Commn, (1):28 p.
Manual on international oceanographic data exchange

Contains IOC resolution III-11 and recommendations of the IOC working group on exchange of oceanographic data, and provisional guide for such exchange. Lists national oceanographic centres.

Terada, K. (1965) 10-10145 M
FAO Fish.Circ., 16,rev.1:48 p.
Fishermen and the weather

Semi-popular guide designed to stimulate fishermen to make use of weather information and to report weather data from fishing vessels.

Australia. Commonwealth (1964) 10-10146 M
Rep.Gen.Assembl.U.N.Adm.Territ.New Guinea, July 62/June 63:303 p.

Incl. account of fisheries under chapters: Administrative organization, legislation, resources, catch and marketing, fisheries development, and research and training. Appends table for quantity and value of fishing.

Berenbeim, D.Ia. (1961) 10-10147 M
Biull.okeanogr.Kom.,Moskva, (8):35-7
Gidrologicheskie i gidrokhimicheskie raboty AzcherNIRO
(Hydrological and hydrochemical work of the Azov and Black Sea Institute of Scientific Research on the sea fishing industry and oceanography)

Atlantic States Marine Fisheries Commission (1963-4) 10-10148 M
Rep.Atlant.St.Mar.Fish.Comm., (23):43 p.

Incl. account of fisheries by species and areas; schedule of conferences; report of work of Commission; resolutions of 22nd annual meeting; reports of committees and auditor.

Albers, V.M. (Ed.)(1963)BC 10-10149 M
New York, Plenum Press, 354 p.
Underwater acoustics; proceedings of an institute sponsored by the scientific affairs committee of the North Atlantic Treaty Organization and conducted by the Pennsylvania State University at the Imperial College of Science and Technology of the University of London, July 31 - August 11, 1961

PSA (1963) 10-10150 M
Inform.Bull.Pacif.Sci.Ass., 15(2):15 p.

Incl. notes on Unesco science program, 1963-64, Antarctic biology, U.S.-Japan scientific cooperation.

Williams, F. (1964) 10-10151 M
Comm.Fish.Rev., 26(8):1-6
The Guinean trawling survey

Purpose, aims, area of operations,vessels, schedule of observations, equipment, facilities on land, regional and international liason are described.

Bezrunov, P.L. (1963)A 10-10152 M
Deep-Sea Res., 10(1/2):59-66
Research in the Indian Ocean by the survey vessel VITIAZ on its thirty-third voyage

Kovylin, V.L. (1963)A 10-10153 M
Deep-Sea Res., 10(1/2):67-9
The third Mediterranean cruise of the survey vessel AKADEMIK S. VAVILOV

ANON. (1963) 10-10154 M
J.sci.industr.Res., 22(1):1-2
International Indian Ocean expedition: Indian scientific programme

A synopsis of work proposed for the period 1962-65 by the Indian national committee on oceanographic research.

Frankcom, C.E.N. (1963)A 10-10155 M
Int.hydrogr.Rev., 40(2):141-53
Ocean weather ships

ANON. (1965) 10-10156 M
Discovery, 26(5):4
Man-made flying fish

Two-man flying submarine is feasible proposition according to study carried out by General Dynamics/Convair for United States Bureau of Naval Weapons. Rand Corporation is involved in studies of a flying submarine for the air force.

Indian National Committee on Oceanic Research (1964) 10-10157 M
IIOE Newslett., India, (4):16 p.

Reports work carried out by India, incl. that done by the Indian Ocean Biological Centre and the International Meteorological Centre. Brief reports of work by Japan, U.S.A., France and South Africa and Australia, and of meetings and future work.

Muntian, V.M. (1961) 10-10158 M
Okeanologiia, 1:179-80
48-ia sessiia Mezhdunarodnogo soveta po izucheniiu morei (Moskva, 1960, 18-23 sentiabria)
(Fortieth session of the international council for the exploration of the sea, Moscow, 18-28 September)

Bezrukov, P.L. (1961) 10-10159 M
Okeanologiia, 1:173-4
Morskaia geologiia - na 21-i sessii Mezhdunarodnogo geologicheskogo kongressa v Kopengagene (1960, 16-25 avgusta)
(Marine geology at the 21st session of the International Geological Congress, Copenhagen, 16-25 August, 1960)

Laktionov, A.F. (1961) 10-10160 M
Okeanologiia, 1:172-3
Novye okeanograficheskie arkticheskie suda
(New Arctic oceanographic research vessels)

Gershanovich, D.E. (1961) 10-10161 M
Okeanologiia, 1:335-6
Okeanologicheskii reis sudna PERVENETS v Beringovo more i zaliv Aliaska letom 1960 g.
(The oceanological cruise of the PERVENETS in the Bering Sea and the Gulf of Alaska in the summer of 1960)

Kolychev, B.S. (1961) 10-10162 M
Atomn.Energ., 10:634-5
Itogi soveshchaniia po probleme sbrosov radioaktivnykh otkhodov v moria i okeany. (Vena, 1961, ianvar')
(Results of a conference on the dumping of radioactive waste into the sea, Vienna, January 1961)

Kaplin, P.A. (1961) 10-10163 M
Okeanologiia, 1:347-50
Okeanografiia i geomorfologiia morskikh beregov na 19-m Mezhdunarodnom geograficheskom kongresse (Stokholm, 1960, 5-13 avgusta)
(Oceanography and coastal geomorphology at the 19th International Geographical Congress, Stockholm, 5-13 August, 1960)

Belousov, I.M. (1961) 10-10164 M
Okeanologiia, 1:319-25
31-i reis e/s VITIAZ (Indiiskii okean, 1959, osen')
(The 31st cruise of the expedition ship VITIAZ in the Indian Ocean in the autumn of 1959)

Bogdanov, D.V. (1961) 10-10165 M
Okeanologiia, 1:329-32
Tret'ia sredizemnomorskaia ekspeditsiia sudna AKADEMIK A. KOVALEVSKII (1960, iiun'-avgust)
(The third Mediterranean expedition of the AKADEMIK A. KOVALEVSKII, June-August 1960)

Khludova, O.F. (1961) 10-10166 M
Vokrug sveta, (4):27-30
Podvodnye trofei. Okhota s fotoapparatom. (O podvodnykh nabliudeniiakh za zhizn'iu morskikh zhivotnykh)
(Underwater trophies. Hunting with the camera: submarine observations on marine animals)

Arkhipova, E.G. (1961) 10-10167 M
Okeanologiia, 1:177
Koordinatsionnoe soveshchanie po teme "Teplovoi rezhim Chernogo moria i formirovanie sloia skachka". (Moskva, 1960, 14 iiunia)
(A coordinating conference on the thermal regime of the Black Sea and the formation of a layer of abrupt change of density, Moscow, 14 June 1960)

Agenorov, V.K. (1961) 10-10168 M
Okeanologiia, 1:325-9
Sed'moi atlanticheskii reis NIS MIKHAIL LOMONOSOV (1960, 12 ianvaria - 15 aprelia)
(The 7th Atlantic cruise of the research vessel MIKHAIL LOMONOSOV, 12 January - 15 April 1960)

Giul', K.K. (1961) 10-10169 MF
Biull.okeanogr.Kom., Moskva, (8):10-1
Nekotorye itogi koordinirovaniia issledovanii na Kaspiiskom more
(Some conclusions in regard to the coordination of research in the Caspian Sea)

Kolesnikov, A.G. (1961) 10-10170 M
Okeanologiia, 1:166-70
Kratkie itogi 6-go reisa NIS MIKHAIL LOMONOSOV (1959, 8 avgusta - 13 noiabria)
(Brief results of the 6th cruise of the scientific research vessel MIKHAIL LOMONOSOV, 8 August - 13 November 1959)

Stepanov, V.N. (1961) 10-10171 M
Okeanologiia, 1:554-5
Okeanograficheskie raboty Rumynskoi Narodnoi Respubliki (vpechatleniia vo vremia poezdki)
(Oceanographical work in the People's Republic of Romania: a visitor's impressions)

ANON. (1963)A 10-10172 MG
WMO Bull., 12(1):14-19
Meeting the challenge. WMO technical assistance since 1952

ANON. (1963) 10-10173 MG
WMO Bull., 12(1):22-6
Third session of the regional association for Asia

WMO: Consideration of synoptic networks, meteorological telecommunications, aeronautical, hydrological and maritime meteorology, and climatology. Also refers to meteorological aspects of the International Indian Ocean Expedition.

U.S. National Science Foundation (1963) 10-10174 MG
Rep.nat.Sci.Fdn, 12:368 p.

Ill. report on support of research, training and education, dissemination of information, international programs, assessing national scientific activities. Appendices list officials, staff, grants made, fellowships awarded, publications issued.

Continuing Working Party on Fishery Statistics in the North Atlantic Area, 18-22 March 1963, Rome, (1963) 10-10175 MG
FAO Fish.Rep., (7):35 p.
Report of the third session

Do 61-415me.

Zaitsev, V.I. (1962) 10-10176 MG
Okeanologiia, 2(6):961-9
(Underwater fisheries research in the U.S.S.R.).
Ru

A general review of listing of techniques and equipment and their application.

Zaitsev, V.I. (W.G.Van Campen 10-10177 MG
Transl.)(1963)C
Hawaii, U.S. Biological Laboratory, 11 p.
Underwater fisheries research in the U.S.S.R.

En 10-10176.

Barnett, S.A. & A.McLaren (Eds.) 10-10178 MG
(1963)
Harmondsworth, Penguin Books Ltd., 242 p.
Penguin science survey 1963. B

Contains 10-10179.

Yonge, C.M. (1963) 10-10179 MG
In 10-10178:176-90
Food from the sea

A review of this topic as one of a series of articles in this volume on "Biological diversity".

Gulland, J.A. (1965) 10-10180 MF
FAO Fish.tech.Pap., (40) Rev. 1:68 p.
Manual of methods for fish stock assessment. Part. 1. Fish population analysis

NE 9-05001.
Partial revision.

Carroz, J.E. & FAO Fisheries 10-10181 MF
Biology Branch (1965)
FAO Fish.tech.Pap., (57):35 p.
Establishment, structure, functions and activities of international fisheries bodies. 1. Indo-Pacific Fisheries Council (IPFC)

Reviews establishment, structure, functions and activities of IPFC. Appends agreement for the establishment of the council and its rules of procedure.

Rosa, H. Jr. (1965) 10-10182 MF
FAO Fish.Synops., (1) Rev.1:75 p.
Preparation of synopses on the biology of species of living aquatic organisms

Revised and expanded version of the original document. Contains outlines for and a progress report on the preparation of synopses on the biology of various living aquatic organisms; gives information on the FAO Working Party on Species Synopses.
Co 62-00986.

IPFC (1962) 10-10183 MF
Curr.Aff.Bull.Indo-Pacif.Fish.Coun., (35):48 p.

Briefly reports activities of IPFC and important current fisheries developments. Lists references and some annotations of recent publications of interest to fisheries workers in the Indo-Pacific region.

Kenya. Game Department (1963) 10-10184 MF
Rep.Kenya Fish., (1962):31 p.

Reviews departmental activities during year and fisheries situation. Work on fish culture farm and at trout hatchery. Inland fisheries generally and the trout fishery in particular. Marine fishery production, trade, exploratory and experimental work, statistics. Lists of publications and appendices.

Kenya. Game Department (1964) 10-10185 MF
Rep.Kenya Fish., (1963):33 p.

Reviews departmental activities during year and fisheries situation. Work on fish culture farm and at trout hatchery. Inland fisheries generally and trout fishery in particular. Marine fishery production, trade, exploratory and experimental work, statistics. Lists of publications and appendices.

Vernberg, F.J. (1963) 10-10186 MF
Amer.Zool., 3(3):245-450
Field stations of the United States

Contains articles on marine, freshwater, and fisheries laboratories. For each gives photographs of buildings and facilities, short description of history and program of work etc. Key map to location of all stations mentioned.
Do 62-078me.
Contains 10-10026 to 10-10071, 10-10187. 10-10188, 10-10189, 10-10224 to 10-10234.

Collins, G.B. (1963) 10-10187 MF
Amer.Zool., 3(3):363-4
Fish passage research

Harry, G.Y. (1963) 10-10188 MF
Amer.Zool., 3(3):375-7
Biological laboratory, Auke Bay, Alaska

Cohen, D.M. (1963) 10-10189 MF
Amer.Zool., 3(3):380
Ichthyological laboratory, Washington, D.C.

White, J.F. (Ed.) (1962)C 10-10190 MF
Englewood Cliffs, N.J., Prentice Hall, 408 p.
Study of the earth: readings in geological science

Incl. papers on "The origin of the earth", "Origin of continents", "Mountain ranges" and "Ocean basins".

McLelland, J. (1964) 10-10191 MF
J.Geol., 72(1):128
Study of the earth: readings in geological science

Re 10-10190.

JFRCA (1964)C 10-10192 MF
Tokyo, 24 p.
Major activities in FY 1963

Describes structure and objectives of this body, founded in 1963. Gives account of 1st year's work. Lists publications issued and their series, officers and staff of the Association.

Potts, W.T.W. (1964) 10-10193 MF
Nature,Lond., 204(4961):818
Physiology of molluscs

Re 10-10024.

FAO (1965) 10-10194 MF
Rome, 865 p.
Agricultural development in Nigeria 1964-1980

Report in response to request of Government of 5.10.61 and of a FAO mission, October 1962-July 1963. Incl. chapter on fisheries, and general chapters with relevant geographic, demographic and economic background information and analyses.

ANON. (1963) 10-10195 MF
Salm.Trout Mag., (167):30-41
The London conference 1962

An account including a report of discussion following papers by F.T.K. Pentelow, K.A. Pyefinch & A.E.J. Went on research on Atlantic salmon in Great Britain, Ireland and North America.

Carroz, J.E. & FAO Fishery Resources & Exploitation Division, Marine Biology & Environment Branch (1966) 10-10196 MF
FAO Fish.tech.Pap., (60):28 p.
Establishment, structure, functions and activities of international fisheries bodies. 3. Regional Fisheries Advisory Commission for the South West Atlantic (CARPAS)

Reviews the establishment, statutes, membership, area covered, functions, structure and its work. Lists its reports and publications. Appends statutes and rules of procedure, as well as a map for statistical area breakdown.
Co 10-10004.

Nakamura, T. (1963) 10-10197 MF
Occ.Pap.Indo-Pacif.Fish.Coun., 63(1):5 p.
A brief note on the fisheries extension service in Japan

Germany, Federal Republic of. Bundesministerium für Ernährung, Landwirtschaft und Forsten (1963) 10-10198 MF
Inform.Fischw.Ausl., 13(1):55 p.

Monthly compilation of press releases, and extracts and digests from periodicals of information relating to all aspects of fisheries of all countries.

United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas, 4-20 February, 1963. Scientific Secretariat for Agriculture (1963) 10-10199 MF
Geneva, mimeo, 308 p.
Summation of the papers and discussions on agriculture

Do 61-453me.
Contains 10-13608.

Germany, Federal Republic of. Bundesministerium für Ernährung, Landwirtschaft und Forsten (1963) 10-10200 MF
Inform.Fischw.Ausl., 13(2):51 p.

Monthly compilation of press releases, and extracts and digests from periodicals of information relating to all aspects of fisheries of all countries.

Power, E.A. (1963)C 10-10201 MF
Washington, 25 p.
Advance report on the fisheries of the United States, 1962

WMO. Commission for Synoptic Meteorology (1963)BC 10-10202 MF
Geneva, 192 p.
Abridged final report of the third session

U.S. Department of the Interior (1963) 10-10203 MF
Circ.U.S.Fish Wildl.Serv., (161):101 p.
Biological laboratory, Galveston, Tex.
Fishery research for the year ending June 30, 1962

Contains report of the director, list of staff, descriptions of shrimp, industrial fishery, estuarine, physiology and behaviour programs, followed by short papers on various phases of the program; special reports on various studies; list of seminars, meetings, work conferences; list of publications.
Issued also as: Contr.U.S.Bur.comm.Fish.biol. Lab.,Galveston, (161). Contains 10-10122, 10-10204, 10-10874, 10-10875, 10-10876, 10-11240, 10-11241, 10-11242, 10-12288 to 10-12291, 10-12508, 10-12649 to 10-12665.

Rounsefell, G.A. (1963) 10-10204 MF
Circ.U.S.Fish Wildl.Serv., (161):45-6
Estuarine program

Girelli, A. (Ed.) (1965) 10-10205 MF
Oxford, Pergamon Press, 202 p.
Fresh water from the sea

Contains: Opening speech and introductory remarks: Some aspects of the application of ion exchange for the conversion of saline water into fresh water by J.W. Minken; Present state of information on sea and brackish water desalting in Japan by S. Ishizaka; Neue Entwicklungen auf dem Gebiet der Gewinnung von Susswasser aus Meerwasser in Deutschland by A. Brehm; British activities in desalination development and research by R.S. Silver; La desalinizzazione delle acque salmastre e il problema dell'acqua, realizzazioni e ricerche in Italia by G. Nebbia; Desalination of sea and brackish water: the present state of the art in Israel by R. Matz; Evolution of the distillation process for sea water conversion by R.H. Jebens; The role of the United Nations Department of Economic and Social Affairs in the field of water desalination by E. Fano. Bibliography listing over 700 publications.
Proceedings of international symposium held in Milan in 1964.

France. Conseil Supérieur de la Pêche (1963) 10-10206 MF
Bull.Cons.sup.Pêche, (51):139 p.

Regular quarterly bulletin reporting the activities of the council including report of the meeting of the Commission on Migratory Fishes of the Fisheries Council, 24 October, 1962. Report of the extraordinary meeting of the Fisheries Council, 30 November, 1962; technical notes on the breeding of perch pike in Seine-et-Oise, and on Silurus glanis; official communications concerning such matters as pollution, policing, and control of fishing; jurisprudence; service conditions; miscellaneous.

USFWS. Bureau of Sport Fisheries and Wildlife (1963) 10-10207 MF
Circ.U.S.Fish Wildl.Serv., (160):118 p.
Progress in sport fishery research, 1962

Reviews work done in U.S. Fish and Wildlife Service stations on pathology, nutrition, husbandry methods, pesticides, control, reservoirs, and marine labs. Lists publications and special reports and staff.
Referred to also as: Progr.Sport Fish.Res., 1962.

Canada. Fisheries Research Board (1963) 10-10208 MF
Rep.Fish.Res.Bd can., 1962/63:172 p.

Contains report of work of the four biological stations, Arctic unit, oceanographic groups, technological stations. A note on C.G.S.A.T. Cameron; lists of publications and reports and of scientific staff. Map shows location of work.

ECLA (UN) Secretariat (1963)C 10-10209 MF
E/CN.12/670, 42 p.
Los recursos naturales en America Latina, su conocimiento actual e investigaciones necesarias en este campo
(The natural resources of Latin America, present knowledge of them and the investigations necessary in this field)

Contains a section on fisheries resources.
CR 10-11166, 10-12384.
Paper contributed to Economic Commission for Latin America, 10th session, May 1963, Mar del Plata, Argentina.

Wohlschlag, D.E. (1963) 10-10210 MF
Polar Rec., 11(75):713-8
The biological laboratory and field research facilities at the United States "McMurdo" station, Antarctica

Describes laboratory and its equipment, and also field facilities used for marine and limnological studies.

Bullock, T.H. & G.A. Horridge (1965)C 10-10211 MF
London, W.H. Freeman & Company, 2 vols., 1722 p.
Structure and function in the nervous systems of invertebrates

A reference book which draws together and summarizes knowledge about the form and function of invertebrate nervous systems, based on an exhaustive survey of literature. First six chapters constitute a survey of principles that apply broadly to all animals, including vertebrates. The remaining 21 chapters deal with separate groups of invertebrates under such headings as comparative histology and cytology, conduction, transmission, integrative mechanisms, and neurosecretion. Contains volume, author and subject indexes. Chapters have their own comprehensive table of contents and an informative summary. Colour and black and white illustrations. Contains chapters by H.A. Bern, I.R. Hagadorn and J.E. Smith.

Jamaica. Ministry of Agriculture and Lands (1963) 10-10212 MF
Rep.Minist.Agric.Lds Jamaica, 1960:109 p.

Incl. chapter on activities of Fisheries Division, with reference to mechanization of boats programme, fishermen's cooperatives, culture of Tilapia mossambica, rehabitation of green and hawksbill turtles by stocking in the Caribbean.

IPSFC (1963) 10-10213 MF
Rep.int.Pacif.Salm.Fish.Comm., 1962:44 p.

Report of the commission's meetings, recommendations for regulations governing the fisheries in 1962, account of the conditions of the fisheries in this year, with statistics of catch and escapement.

Maharashtra State. Department of Fisheries (1963) 10-10214 MF
Rep.Dep.Fish.Maharashtra, 1962-63:55 p.

Includes data on marine and inland fisheries, and reasearch carried out at Taraporevala aquarium.

Canadian Interdepartmental FAO Committee (1964) 10-10215 MF
Agriculture,Fish.For.Nutr.Can., 1961-1964:28 p.
Progress and program report to the Food and Agriculture Organization of the United Nations (FAO)

Contains section on fisheries under following headings: Supply and demand; management of resource; industrial development; inspection; research; federal-provincial cooperation.

Lee, D.L. (1965)BC 10-10216 MF
San Francisco, Freeman, 164 p.
The physiology of nematodes

Dropkin, V. (1965) 10-10217 MF
Science, 148(3674):1208
Nematodes: A review and résumé

Re 10-10216.

South Africa. Republic/CSIR 10-10218 MF
(1963)
Rep.Coun.sci.industr.Res.S.Afr., 18(1962):38 p.

Incl. refs. to and short reports on the following projects: Factors responsible for the destruction of fresh-water fish, marine research, fish canning, the possible use of fish flour for the prevention of protein malnutrition, Bilharzia, fish-meal, fish-flour, dried fish products, phospholipids of pilchard flesh.

Bourassa, R.W. (1963) 10-10219 MF
Atlant.Salm.J., (1):9-11
New research station on Quebec's north shore

Fisheries Management Seminar, 10-10221 MF
Sydney, N.S. Wales, 21 September
1962 (n.d. 1962)
Canberra, Fisheries Division, 170 p.
Report

Papers with summary of discussions, on topics: Analysis of the condition of a fishery as a basis for the formulation of managerial plans; determination of the ends to be served by control measures; choice of control measures and assessment of their effect in relation to such matters as optimum catch, sustained catch and fishing power and effort.
Contains: 10-10698, 10-12399 to 10-12407, 10-12886 to 10-12889, 10-13118 to 10-13125, 10-13507, 10-13508.

Walker, E.P. et al. (1964)C 10-10220 MF
Baltimore, Johns Hopkins Press, Vol. 2:1500 p.
Mammals of the world

General text book giving ill. descriptions of spp. Cetacea, Pinnipedia, Sirenia & Carnivora Mustelidae.

Kozhov, M. (1963)BC 10-10222 F
The Hague, Dr.W. Junk, 344 p.
Lake Baikal and its life

Geography and hydrology; Fauna and flora, systematic composition of fauna. Composition of the fauna of Baikal and its position in the systems of biogeographical divisions. The flora of Baikal; Distribution of fauna and flora; Spread of modern Baikalian fauna outside Baikal; Life in the mass of water; The history of Lake Baikal and its fauna. Bibliography. Organism index, subject index.

ANON. (1964) 10-10223 F
J.Mar.biol.Ass.U.K., 44(2):548
Lake Baikal and its life

Re 10-10222.

Moynihan, M.H. (1963) 10-10224 F
Amer.Zool., 3(3):324-6
Canal zone biological area (Barro Colorado Island), Smithsonian institution

Gerking, S.D. (1963) 10-10225 F
Amer.Zool., 3(3):326-8
The Indiana university biological station

King, R.L. (1963) 10-10226 F
Amer.Zool., 3(3):329-30
The Iowa lakeside laboratory

Stockard, A.H. (1963) 10-10227 F
Amer.Zool., 3(3):331-3
The university of Michigan biological station

Marshall, W.H. (1963) 10-10228 F
Amer.Zool., 3(3):334-5
The Lake Itasca forestry and biological station, university of Minnesota

Putnam, L.S. (1963) 10-10229 F
Amer.Zool., 3(3):335-6
The biological station of the Ohio state university

Tryon, C.A.,Jr. (1963) 10-10230 F
Amer.Zool., 3(3):336
Pymatuning laboratory of field biology, university of Pittsburgh

Hasler, A.D. (1963) 10-10231 F
Amer.Zool., 3(3):337-40
The laboratory of limnology and associated field units at the university of Wisconsin

ANON. (1963) 10-10232 F
Amer.Zool., 3(3):357-8
Laboratory of radiation ecology, AEC Savannah River plant

Moffett, J.W. (1963) 10-10233 F
Amer.Zool., 3(3):374-5
Biological laboratory, Ann Arbor, Michigan

Greenwood, M.L. (1963) 10-10234 F
Amer.Zool., 3(3):385
Exploratory fishing and gear research base, Ann Harbor, Michigan

ICSU (1963) 10-10235 F
Bull.int.Ass.sci.Hydrol., 8(1):103 p.

Contains in parts: 1. Remarks and notes by the editor; 2. Technical papers and proceedings of meetings; 3. Administrative notes, announcement and reports of meetings of the union, affiliated societies and UNESCO committees, obituaries.

Nicolau, A. & G. Rosca (1963)B 10-10236 F
Industria aliment.,Buc., 11(4):111-3
(Activities of the institute for piscicultural research and planning). Ro

Nicolau, A. & G. Rosca (1963) 10-10237 F
JPRS:20966:10 p.
Activities of the institute for piscicultural research and planning

En 10-10236.
Available from Office of Technical Services, U.S. Department of Commerce, Washington D.C.

Alikunhi, K.H. (1964) 10-10238 F
Misc.Contr.Centr.Inl.Fish.Res.Inst., (3):17 p.
Report of the fisheries and fisheries development programmes of the union territory of Tripura, with suggestions for enhancing fish production

Gives an account of natural resources, edible fish requirements, productivity of waters, fisheries development programmes under execution and suggestions for enhanced fish production.

McInerny, D. & G. Gerard (1964)BC 10-10239 F
New York, Macmillan, 480 p.
All about tropical fish

Hartog, C.Den (1963) 10-10240 F
Gorteria, 1(14):155-64
(Some aquatic plant societies in Zeeland). Ne

BAgr. 27(8)68372.

Rusu, M. (1963)A 10-10241 F
WMO Bull., 12(2):102-4
The Danube commission and its activity in the field of hydrometeorology

ANON. (1963) 10-10242 F
Unesco Chron., 9(1):32-4
Organization of an international hydrologic decade

General article describing the aims and guiding lines of the programme to be undertaken by Unesco with the cooperation of the other UN agencies.

Needham, J.G. & P.R. Needham (1962)C 10-10243 F
London, Constable & Co., Ltd., 107 p.
A guide to the study of fresh-water biology. Fifth edition, revised and enlarged

Presents keys, tables and figures to facilitate recognition of freshwater organisms both in field and laboratory, and information methods and equipment used in collecting, preserving and caring for aquatic organisms, methods of chemical analysis and suggestions on studies to be carried out.

Liebmann, H. (1962)BC 10-10244 F
München, Verlag R. Oldenbourg, vol. 2: 588 p.
Handbuch der Frischwasser-und Abwasser-Biologie
(Handbook of freshwater and waste-water biology)

NE H. Liebmann, 1952.

Illies, (1964) 10-10245 F
Arch.Hydrobiol., 60(3):379-82
Handbuch der Frischwasser-und Abwasser-Biologie
(Handbook of fresh-water and waste-water biology)

Re 10-10244.

Needham, P.R. (1963)C 10-10246 F
Berkeley, University of California, Fisheries Section, 42 p.
A fifth progress report on the Sagehen Creek wildlife and fisheries project

EIFAC (1963) 10-10247 F
EIFAC Newslett., (1):25 p.

Includes: The chairman's and FAO Fisheries Division Director's introductory reminder of the decisions of the 2nd session of EIFAC, correspondents, information from countries, miscellaneous.

EIFAC (1963) 10-10248 F
EIFAC Newslett.(Fr), (1):24 p.

Fr 10-10247.

Tesch, F.W. (1963)C 10-10249 F
Berlin, Verlag P.Parey, 111 p.
Die Zweckmässige Pflege der Fischbestände; eine praktische Anleitung für Angler und Berufsfischer an Binnengewässern (The practical care of fish stocks; a practical introduction for anglers and professional inland fishermen)

Written with special reference to inland fisheries of Europe. The first part describes development and peculiarities of waters and their fish populations; the second discusses exploitation, care and improvement of waters and stocks. Sections on catch effects on size; population control with poisons; stocking; pollution and manuring are included.

Ward, H.B. & G.C. Whipple 10-10250 F
(1963)C
London, John Wiley & Sons, Inc., 1248 p.
Fresh-water biology

Edited by W.T. Edmondson. A handbook to aid in the identification of the fauna and flora of inland waters of North America. Consists essentially of a series of illustrated keys preceded by an exposition of the material needed to use the key. Covers bacteria, fungi, algae, bryophytes, vascular plants, protozoa, invertebrates, including insects and acarids; omits vertebrates. Has a section on methods and equipment.
NE 60-8326.
FAO:wcb

Trainer, D.O. (Ed.)(1963) 10-10251 FG
News Lett.Wildl.Dis.Ass., (32):14 p.

Contains misc. notes on meetings, various activities, new laboratories, fellowships, membership, and elections, committee reports, wildlife disease, publications in this field.

South Africa, Republic of/ 10-10252
CSIR (1963)
Pretoria, CSIR, 848 p.
Directory of scientific resources in South Africa

Contains sections on scientific research organizations, guide to sources of scientific, technical and medical information, scientific and technical societies and scientific and technical periodicals. Incl. a subject index.

Wildlife Disease Association 10-10253 G
(1963)
News Lett.Wildl.Dis.Ass., (33):14 p.

Contains misc. notes on meetings, various activities, new laboratories, fellowships, membership, and elections, committee reports, wildlife disease, publications in this field.

Germany. Federal Republic of. 10-10254 G
Bundesforschunganstalf für Fischerei in Hamburg (1963)
Inform.Fischw., 10(1):40 p.

Contains notes and extracts on scientific, technical and economical discoveries, developments and practices in fisheries in Germany and other countries.

Zoological Society of Japan 10-10255 G
(1964)
Zool.Mag., Tokyo, 73(11,12):401 p.
(Proceedings of the thirty-fifth annual meeting of the zoological society of Japan, October 13, 14, 15, 1964, Nagoya).
Ni

PHYSICAL OCEANOGRAPHY AND LIMNOLOGY

Oren, O.H. (1962) 10-10256 M
Bull.Sea Fish.Res.Sta.,Haifa, (30):3-14
A note on the hydrography of the Gulf of Eylath

Issued also as: Contr.Knowl.Red Sea, (21).

Slinn, D.J. (1962) 10-10257 M
Rep.Mar.biol.Sta.Pt Erin, (74):23-6
Chemical constituents in sea water off Port Erin during 1961

Friedman, S. (1964)B 10-10258 M
Tech.Rep.Lamont geol.Lab., (2):193 p.
U.S.N.S. ELTANIN cruises 4,5 and 6, July, 1962 to January, 1963. Bathythermograph data

Friedman, S.B. (1964)B 10-10259 M
Tech.Rep.Lamont geol.Lab., (1):64 p.
Physical oceanographic data obtained during ELTANIN cruises 4,5 and 6 in the Drake passage along the Chilean coast and in the Bransfield strait, June 1962-January 1963

Tyuryakov, B.I. (U.K. MAFF, Transl.)(1963) 10-10260 M
U.K. MAFF, mimeo, 7 p.
Preliminary results in attempting to give explanation to the fluctuations in the drift circulation over the North Atlantic by computation methods

En 10-10369.

Morgan, F. (1964) 10-10261 M
J.Mar.biol.Ass.U.K., 44:259-71
The uptake of radioactivity by fish and shellfish. 1. ^{134}Caesium by whole animals

Swallow, J.C. & J. Crease (1965) 10-10262 M
Nature,Lond., 205(4967):165-6
Hot salty water at the bottom of the Red Sea

Robinson, M.K. (1964) 10-10263 M
Science, 146(3649):1371-2
Meetings. Physical oceanography: Plans for U.S.-Japan cooperation

Joseph, J., H. Sender & H. Weidemann (1964) 10-10264 M
Dtsch.hydrogr.Z., 17(2):57-75
Untersuchungen über die horizontale Diffusion in der Nordsee
(Investigation of horizontal diffusion in the North Sea). En Fr

Joseph, J., H. Sender & H. Weidemann (C.A. McLean, Transl.) (1964) 10-10265 M
London, U.K.MAFF, 16 p.
Investigation of horizontal diffusion in the North Sea

En 10-10264.

Dietrich, G. (1964)BC 10-10266 M
Braunschweig, Georg Westermann Verlag, 96 p.
Ozeanographie. Physische Geographie des Weltmeeres
(Oceanography. Physical geography of the world ocean)

Rogalla, E.H. (1964) 10-10267 M
Dtsch.hydrogr.Z., 17(2):87
Ozeanographie. Physische Geographie des Weltmeeres
(Oceanography. Physical geography of the world ocean)

Re 10-10266.

Tomczak, G. & E. Goedecke 10-10268 M
(1962)B
Dtsch.hydrogr.Z., Suppl.B, 4(7):16 p.
Monthly maps of the temperature distribution in the North Sea at various depth ranges

Tomczak, G. & E. Goedecke 10-10269 M
(1964)
Dtsch.hydrogr.Z., Suppl.B, 4(8):182 p.
Die thermische Schichtung der Nordsee auf Grund des mittleren Jahresganges der Temperatur in ½ und 1° Feldern
(The thermal stratification of the North Sea based on the mean annual variation of temperature in ½ and 1° squares).
En Fr

Kawamura, H. (W.G.Van Campen, 10-10270 M
Transl.)(1964)
Hawaii, Bureau of Commercial Fisheries, 5 p.
Some thoughts on oceanographic conditions and fishing conditions in Palau waters

En Kawamura, H., 1939.

Engel, A.E.J. & C.G. Engel 10-10271 M
(1964)
Science, 146(3643):477-85
Igneous rocks of the east Pacific rise

The alkali volcanic suite appear to be differentiated from a tholeiitic basalt extruded from the mantle.

Menard, H.W. (1964)BC 10-10272 M
New York, McGraw-Hill, 271 p.
Marine geology of the Pacific

Tracey, Jr. J.I. (1964) 10-10273 M
Science, 146(3643):513
Pacific Basin geology. Marine geology of the Pacific

Re 10-10272.

Mackenzie, F.T. (1964) 10-10274 M
Science, 146(3643):517-8
Strontium content and variable strontium-chlorinity relationship of Sargasso Sea water

Turekian, K.K. & M. Stuiver 10-10275 M
(1964)
Science, 146(3640):55-6
Clay- and carbonate-accumulation rates in three south Atlantic deep-sea cores

The highest eupelagic clay rates for the Atlantic found to date are in the Argentine basin, and the lowest are on the Mid-Atlantic Ridge.

Krause, D.C. (1964) 10-10276 M
Science, 146(3640):57-8
Guinea fracture zone in the equatorial Atlantic

Fedorov, A.F. (1963) 10-10277 M
Nauch.Dokl.vyssh.Shk.(biol.), (1):92-5
Biological indicators of weak radioactive contaminations in northern seas

Describes a method for estimating the radioactivity of sea water by means of crayfish.
WPA 37(3)530.

Gershanovich, D.E. (1963) 10-10278 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):13-76
Rel'ef osnovnykh rybopromyslovykh raionov (Shel'f, materikovyi sklon) i nekotorye cherty geomorfologii Beringova moria
(Bottom relief of the main fishing grounds (shelf, continental slope) and certain geomorphological features of the Bering Sea)

Discusses findings of research ships in the east of the Bering Sea. Trawling hampered by bottom configuration in many points of demersal fish concentration.

FAO:orloff

Fedosov, M.V. & R.L. Davidovich (1963) 10-10279 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):77-83
Nekotorye osobennosti gidrokhimicheskogo rezhima Beringova moria
(Some peculiarities of the hydrochemical regime of the Bering Sea)

Discusses the relative shallowness of the photic zone in the Bering Sea and the importance of intermixing with waters of the underlying highly biogenous zone.

Davidovich. R.L. (1963) 10-10280 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz.. 48(1):85-95
Gidrokhimicheskie cherty iuzhnoi i iugo-vostochnoi chastei Beringova moria
(Hydrochemical features of the southern and south-eastern portions of the Bering Sea)

Discusses the contents of oxygen and of biogenous elements in Bering Sea water; difference between the N.-eastern shallows and the S.-western deeps.

Karpova, L.A. (1963) 10-10281 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):97-110
Osnovye cherty klimata Beringova moria
(Main climatic features of the Bering Sea)

Discusses seasonal data and states that the radiation factor is insignificant, the Bering Sea climate being determined by cyclonic circulation and by sea currents.

Natarov, V.N. (1963) 10-10282 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):111-33
O vodnykh massakh i techeniiakh Beringova moria
(Water masses and currents of the Bering Sea)

Discusses the Bering Sea hydrological conditions, importance of quasi-stationary gyres over the shelf and of macroturbulence over the continental slope for determining fish behaviour.

Vinogradov, L.G. (1963) 10-10283 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):135-44
Morskie, donnye biotsenozy i ispol'zovanie dannykh ob ikh raspredelenii v poiskovom dele
(Sea-bottom biocenoses and utilization of data on their distribution for fish-searching operations)

Discusses studies on the distribution of benthic live-feed of fish, particularly in the Bering Sea; classification of each biocenosis by leading species; research methods.

Kataigorodskii, S.A. (1961) 10-10284 M
Trud.IOAN, 52:3-36
K teorii turbulentnogo peremeshivaniia v more v sviazi s raschetom tolshchiny verkhnego izotermicheskogo sloia
(Towards a theory of turbulent mixing in the sea, in connexion with calculating the thickness of the top isothermal layer)

Bortkovskii, R.S. (1961) 10-10285 M
Trud.IOAN, 52:171-9
O kolichestvennykh sootnosheniiakh perevesa vod, tepla i solei v okeane
(Ratios of water, heat and salt imbalance in the ocean)

Gezentsvei, A.N. (1961) 10-10286 M
Trud.IOAN, 52:115-32
O gorizontal'nom makroturbulentnom obmene v Chernom more
(Horizontal macroturbulent exchange in the Black Sea)

Kitaigorodskii, S.A. (1961) 10-10287 M
Trud.IOAN, 52:87-96
O melkomasshtabnoi turbulentnosti v poverkhnostnom sloe moria, okhvachennom razvitym vetrovym volneniem
(Small-scale turbulence in the surface layer of a sea affected by wind-caused wave movement)

Koshliakov, M.N. (1961) 10-10288 M
Trud.IOAN, 52:133-54
Issledovanie dinamicheskoi i kinematicheskoi struktury glubinnykh meridional'nykh techenii na primere severo-vostochnoi chasti Tikhogo okeana
(Investigation of the dynamic and kinematic structure of deep meridional currents as exemplified in the north-eastern part of the Pacific Ocean)

Kuznetsov, O.A. (1961) 10-10289 M
Trud.IOAN, 52:160-5
Temperaturnye volny v Atlanticheskom okeane po nabliudeniiam s ekspeditsionnogo sudna SEROV v marte-mae 1958 g
(Observations of the expeditionary ship SEROV in March-May 1958 on temperature waves in the Atlantic Ocean)

Ozmidov, P.V. (1961) 10-10290 M
Trud.IOAN, 52:97-114
Teoriia turbulentnosti i turbulentnosti v more
(Turbulence theory and turbulence in the sea)

Fedorov, K.N. (1961) 10-10291 M
Trud.IOAN, 52:155-9
Sezonnye izmeneniia ekvatorial'nykh techenii v okeane
(Seasonal variations of equatorial currents in the ocean)

Bezrukov, P.L. & A.P. Lisitsyn (1961) 10-10292 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:141-2
Osnovnye cherty osadkoobrazovaniia v dal'nevostochnykh moriakh v chetvertichnoe vremia
(Main lines of sediment formation in the Far Eastern seas during quaternary times)

Budanov, V.I. et al. (1961) 10-10293 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:143-59
O priznakakh sovremennykh vertikal'nykh dvizhenii beregov dal'nevostochnykh morei
(Signs of temporary vertical shore movements of Far Eastern seas)

Kanaev, V.F. (1961) 10-10294 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:160-4
Novye dannye po geomorfologii i vertikal'nym dvizheniiam Kuril'skoi ostrovnoi griady
(New data on the geomorphology and vertical movements of the Kuril Island ridge)

Klenova, M.V. (1961) 10-10295 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:491-9
Sovremennoe osadkoobrazovanie v Kaspiiskom more, kak resul'tat geologicheskogo razvitiia Kaspiiskoi vpadiny
(Contemporary sedimentation in the Caspian Sea due to the geological development of the Caspian depression)

Kriger, N.I. (1961) 10-10296 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:165-72
Okeanicheskie terrasovye riady
(Oceanic terrace series)

Nevesskii, E.N. (1961) 10-10297 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:376-84
Posledniaia faza istorii Chernogo moria po dannym issledovaniia pribrezhnoi zony
(The last stage in the history of the Black Sea in the light of exploration of the near-shore zone)

Popov, G.I. (1960) 10-10298 M
Mater.vses.Soveshch.Izuch.chetvert.Period., 1:483-90
Korreliatsiia chernomorskikh i kaspiiskikh chetvertichnykh otlozhenii
(Correlation of Black Sea and Caspian quaternary deposits)

Rossov, V.V. (1961) 10-10299 M
Nauchno-tekh.Biull.PINRO, 1(15):33-5
O sutochnykh kolebaniiakh temperatury vody v Barentsevom more
(Diurnal water temperature fluctuations in the Barents Sea)

Aver'ianova, V.N., S.A. Fedotov 10-10300 M
& M.D. Ferchev (1961)C
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Predvaritel'nye dannye o zemletriasenii i
tsunami 6 noibria 1958 p
(Preliminary data on the earthquake and tsunami
of 6 November 1958)

Solov'ev, S.L. & M.D. Ferchev 10-10301 M
(1961)C
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Svodka dannykh o tsunami v SSSR
(Summary of data on tsunami in the USSR)

Popov, G.I. (1961)C 10-10302 M
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Ob usloviakh obrazovaniia tsunami
(Conditions of tsunami formation)

Ochapovskii, B.L. (1961)C 10-10303 M
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Ob organizatsii na Dal'nem Vostoke
spetsializirovannykh stantsii sluzhby tsunami
(Organization of specialized tsunami stations
in the Far East)

Kirnos, D.P. & A.V. Rykov 10-10304 M
(1961)C
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Spetsial'naia bystrodeistvuiushchaia
seismicheskaia apparatura dlia opoveshcheniia
o tsunami
(A special rapid-action seismic apparatus for
tsunami notification)

Shenderovich, I.M. (1961)C 10-10305 M
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Registratory tsunami konstruktsii NII
gidrometeorologicheskogo priborostroeniia
(Tsunami recorders designed at the scientific
research institute of hydrometeorological
instrumentation)

Kaplin, P.A. & A.S. Ionin (1961)C 10-10306 M
In Problemy tsunami (Problems of the tsunami),
Biull.Sov.Seism., 9
Nekotorye osobennosti rel'efa poberezh'ia
Kurilo-Kamchatskoi zony v sviazi s problemoi
tsunami
(Some characteristics of the coastal relief
in the Kuril-Kamchatka zone in connexion with
the tsunami problem)

Radzikhovskaia, M.A. (1961)C 10-10307 M
In Osnovnye cherty geologii i gidrologii
Iapanskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Vodnye massy Iaponskogo moria
(Water masses of the Sea of Japan)

Stepanov, V.N. (1961)C 10-10308 M
In Osnovyne cherty geologii i gidrologii
Iapanskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Obshchaia kharakteristika gidrologii
Iaponskogo moria
(General description of the hydrology of the
Sea of Japan)

Medvedev, V.S. (1961)C 10-10309 M
In Osnovnye cherty geologii i gidrologii
Iaponskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Berega Iaponskogo moria
(Coasts on the Sea of Japan)

Skorniakova, N.A. (1961)C 10-10310 M
In Osnovnye cherty geologii i gidrologii
Iaponskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Donnye osadki
(Clastic sediments)

Zenkevich, N.L. (1961)C 10-10311 M
In Osnovnye cherty geologii i gidrologii
Iaponskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Rel'ef dna
(Configuration of the bottom)

Radzikhovskaia, M.A. (1961)C 10-10312 M
In Osnovnye cherty geologii i gidrologii
Iaponskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Vodnyi i teplovoi balans Iaponskogo moria
(Water and thermal balance of the Sea of
Japan)

Panfilova, S.G. (1961)C 10-10313 M
In Osnovnye cherty geologii i gidrologii
Iaponskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Temperatura vod
(Water temperature)

Panfilova, S.G. (1961)C 10-10314 M
In Osnovnye cherty geologii i gidrologii
Iaponskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Solenost' vod
(Water salinity)

Aratskaia, V.V. (1961)C 10-10315 M
In Osnovnye cherty geologii i gidrologii
Iapanskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Plotnost' vody Iaponskogo moria
(Density of the water in the Sea of Japan)

Mokievskaia, V.V. (1961)C 10-10316 M
In Osnovnye cherty geologii i gidrologii
Iapanskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Khimicheskaia kharakteristika vodnykh mass
(Chemical characteristics of water masses)

Galerkin, L.I. (1961)C 10-10317 M
In Osnovnye cherty geologii i gidrologii
Iapanskogo moria (Main outlines of the
geology and hydrology of the Sea of Japan),
Moscow, 224 p.
Neperiodicheskie kolebaniia urovnia moria
(Nonperiodic fluctuations of sea level)

Samuseva, R.N. (1961) 10-10318 M
Trud.MGI, 24:85-8
Postroenie karty vremeni peremeshcheniia
volny tsunami v raione Kuril'skikh ostrovov
(Constructing a tsunami wave travel-time map
for the Kuril Island area)

Samuseva, R.N. (1961) 10-10319 M
Trud.MGI, 24:126-34
O volnakh na poverkhnosti razdela dvukh
potokov, tekushchikh pod uglom drug k drugu
(Waves at the interface between two currents
flowing at an angle to each other)

Voit, S.S. (1961) 10-10320 M
Trud.MGI, 24:89-104
Rasprostranenie prilivnykh voln iz proliva
v bassein peremennoi glubiny
(Propagation of tidal waves from an opening
into a basin of variable depth)

Sretenskii, L.N. (1961) 10-10321 M
Trud.MGI, 24:3-24
Zadacha Koshi-Puassona dlia voln konechnoi
amplitudy
(Cauchy-Poisson problem for waves of finite
amplitude)

Sretenskii, L.N. & A.S. 10-10322 M
Stavrovskii (1961)
Trud.MGI, 24:25-47
Vychislenie vysoty voln tsunami vdol' berega
(Calculating tsunami wave height along the
short)

Stavrovskii, A.S. (1961) 10-10323 M
Trud.MGI, 24:48-84
Uprugie smeshcheniia zemnoi kory, vyzyvaemye volnoi tsunami, rasprostraniaiushcheisia
pod uglom k beregovoi cherte
(Elastic displacements of the earth's crust
caused by a tsunami wave propagated at an
angle to the shoreline)

Chaikovskaia, T.Ia. (1961) 10-10324 M
Trud.MGI, 24:105-16
Vliianie vrashcheniia basseina na preobrazovanie stoiashchikh kolebanii v rasprostraniaiushchiesia volny
(Conversion of standing oscillations into progressive waves due to rotation of a basin)

Cherkasov, L.V. (1961) 10-10325 M
Trud.MGI, 24:117-25
Razvitie voln pod deistviem dvukh sistem peremeshchaiushchikhsia davlenii
(Wave development under the influence of two alternating pressure systems)

Leont'ev, O.K. (1961) 10-10326 M
Trud.Kom.okeanogr., 8
Osnovnye cherty morfologii i evoliutsii severo-azerbaidzhanskogo poberezh'ia Kaspiiskogo moria
(Basic morphological and evolutionary features of the northern Azerbaidzhanian coast of the Caspian)

Mamykina, V.A. (1961) 10-10327 M
Trud.Kom.okeanogr., 8
Tipy beregov severo-vostochnoi chasti Azovskogo moria i osobennosti ikh dinamiki
(Coastal types and features of coastal dynamics in the north-east of the Sea of Azov)

Boldyrev, V.L. & E.N. Nevesskii (1961) 10-10328 M
Trud.Kom.okeanogr., 8
Zapadnyi temeiukskii potok peschanykh nanosov
(The western flow of sandy alluvium at Temriuk)

Kaplin, P.A. & E.N. Nevesskii (1961) 10-10329 M
Trud.Kom.okeanogr., 8
K voprosu o vystotakh chetvertichnykh morskikh terras Sudakskoi bukhty
(A contribution on the heights of the Quaternary marine terraces of Sudak Bay)

Ionin, A.S. (1961) 10-10330 M
Trud.Kom.okeanogr., 8
Otmiraushchie beregovye akkumuliativnye formy Beringova moria
(Moribund coastal accumulation forms of the Bering Sea)

Medvedev, V.S. (1961) 10-10331 M
Trud.Kom.okeanogr., 8
Nekotorye cherty stroeniia i dinamiki zapadnogo poberezh'ia ostrova Sakhalina
(Some structural and dynamic aspects of the western coast of Sakhalin Island)

Karaushev, A.V., V.I. Abakumov & E.K. Markus (1961) 10-10332 M
Trud.Kom.okeanogr., 8
Priblizhennyi metod rascheta zanosimosti morskikh kanalov
(Method for calculating the silting of shipping channels)

Shishov, N.D. (1961) 10-10333 M
Trud.Kom.okeanogr., 8
Primery maloy zanosimosti otkirtykh morskikh kanalov
(Examples of the slight silting of open shipping channels)

Krivonosova, N.M. (1961) 10-10334 M
Trud.Kom.okeanogr., 8
Opyt otobrazheniia elementov dinamiki i morfologii beregovoi zony na kartakh i skhemakh srednego i krupnogo masshtaba
(Experience of the depiction of the features of coastal dynamics and the morphology of the coastal zone on medium and large-scale charts and diagrams)

Ionin, A.S. (1961) 10-10335 M
Trud.Kom.okeanogr., 8
Issledovaniia po dinamike i morfologii beregov Komandorskikh ostrovov
(Investigations of coastal dynamics and coastal morphology on the Komandorskie (Commander) Islands)

Medvedev, V.S. (1961) 10-10336 M
Trud.Kom.okeanogr., 8
Issledovaniia po dinamike i morfologii beregov zaliva Petra Velikogo v Iaponskom more
(Investigations of coastal dynamics and coastal morphology in Peter the Great Bay, Sea of Japan)

Herrera, L.E. (1962) 10-10337 M
Masters Abstr., 1(3):17
Turbulent diffusion in near shore areas

Discusses the time-space distribution of Rhodamine B dye in shallow turbulent waters. Thesis available from University Microfilms, Inc., Ann Arbor, Michigan.

Pond, S., R.W. Stewart & R.W. Burling (1963) 10-10338 M
J.atmos.Sci., 20(4):319-24
Turbulence spectra in the wind over waves

Lorenz, E.N. (1963) 10-10339 M
J.atmos.Sci., 20(5):448-64
The mechanics of vacillation

The equations governing a symetrically heated rotating viscous fluid are reduced to a system of 14 differential equations.

Kraus, E.B. (1963) 10-10340 M
J.atmos.Sci., 20(6):551-6
The diurnal precipitation change over the sea

Analysis of weathership records from north temperate latitudes over 10 years.
Issued also as: Contr.Woods Hole oceanogr. Instn.,(1381).

Veronis, G. (1963) 10-10341 M
J.atmos.Sci., 20(6):577-93
An analysis of wind-driven circulation with a limited number of Fourier components

The equations of motion for a square ocean basin of dimension L on the β-plane are solved approximately for the case where a wind-stress curl of the form sin (X/L) sin (Y/L) $[0 \le X, Y \le \pi L]$ is applied to the surface.

Freeman, T. (1962) 10-10342 M
J.sediment.Petrol., 32(3):475-83
Quiet water oolites from Laguna Madre, Texas

McMaster, R.L. (1962) 10-10343 M
J.sediment.Petrol., 32(3):484-501
Petrography and genesis of recent sediments in Narragansett Bay area and Rhode Island Sound, Rhode Island

Areal extents of the mineral associations are mapped and conclusions are reached concerning their movements.

Fuller A.O. (1962) 10-10344 M
J.sediment.Petrol., 32(3):602-6
Systematic fractionation of sand in the shallow marine and beach environment off the South African coast

Purdy, E.G. (1963) 10-10345 M
J.Geol., 71:334-55
Recent calcium carbonate facies of the Great Bahama Bank. 1. Petrography and reaction groups

218 sediment samples were analyzed for grain size and constituent particle composition Simple correlation coefficients among constituents are presented.

Gorsline, D.S. (1963) 10-10346 M
J.Geol., 71(4):422-40
Bottom sediments of the Atlantic shelf and slope off the southern United States

Describes sediment size distributions and mineral components from data of T.N.GILL cruise of 1953-54, and other sources.
Issued also as: Contr.oceanogr.Inst.Fla Univ., (193).

Purdy, E.G. (1963) 10-10347 M
J.Geol., 71(4):472-97
Recent calcium carbonate facies of the Great Bahama Bank. 2. Sedimentary facies

Delineates the facies and discusses factors influencing the origin and distribution of important grain types.

McManus, D.A. & J.S. Creager 10-10348 M
(1963)
J.Geol., 71(4):498-512
Physical and sedimentary environments on a large spitlike shoal

Four sedimentary environments characterized on a shoal extending 80 miles northwest of the Seward Peninsula, Alaska. Includes physical and chemical parameters of the adjacent waters.
Issued also as: Contr.Univ.Wash.Dep.Oceanogr., (259).

Rosholt, J.N. et al. (1961) 10-10349 M
J.Geol., 69(2):162-85
Absolute dating of deep-sea cores by the PA^{231}/TH^{230} method.

Rusnak, G.E. (1963) 10-10350 M
J.Geol., 71(6):809-10
Absolute dating of deep-sea cores by the PA^{231}/TH^{230} method and accumulation rates: A discussion

Re 10-10349.
Issued also as: Contr.Mar.Lab.Univ.Miami, (481).

Resholt, J.N. et al. (1963) 10-10351 M
J.Geol., 71(6):810
Absolute dating of deep-sea cores by the PA^{231}/TH^{230} method and accumulation rates: A reply

Very brief reply.
Ci 10-10350.
Issued also as: Contr.Mar.Lab.Univ.Miami, (480).

Istosin, Iu.V. & G.N. Kuklin 10-10352 M
(1962)B
Met.i Gidrol., (11):28-32
(On currents near the equatorial zone of the Pacific Ocean). Ru

Istosin, Yu.V. & G.N. Kuklin 10-10353 M
(1963)
5828.4(5 361)
On currents near the equatorial zone of the Pacific Ocean

En 10-10352.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Boguslavskii, S.G. (1961)B 10-10354 M
Trud.morsk.gidrofiz.Inst., (23):139-47
(The latitudinal change of heat balance of the Atlantic Ocean). Ru

Boguslavskii, S.G. (1963) 10-10355 M
5828.4(5 293)
The latitudinal change of heat balance of the Atlantic Ocean

En 10-10354.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Volkov, V.G. (1962)B 10-10356 M
Trud.Inst.Okeanol., 55:37-44
(Frequency-modulated transmitters for temperature and pressure telemetering in the deep sea). Ru

Volkov, V.G. (1963) 10-10357 M
5828.4(5 318)
Frequency-modulated transmitters for temperature and pressure telemetering in the deep sea

En 10-10356.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Lebedev, A.A. & V.T. Zhevnovaty 10-10358 M
(1962)B
Nauch.-tekh.Biull.PINRO, (4):29-30
Metod prognoza temperatury vody v Barentsevom more dlia kholodnogo vremeni goda
(A method of prediction of the water temperature of the Barents Sea for cold seasons)

Lebedev, A.A. & V.T. Zhevnovaty 10-10359 M
(1964)
9022.56(24)
A method of prediction of the water temperature of the Barents Sea for cold seasons

En 10-10358.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Istosin, Iu.V. et al. (1960)B 10-10360 M
Trud.morsk.gidrofiz.Inst., (14):75-92
(Seasonal changes of temperature and salinity in the waters of the North Atlantic). Ru

Istosin, Yu.V. et al. (1963) 10-10361 M
M.5004
Seasonal changes of temperature and salinity in the waters of the North Atlantic

En 10-10360.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Margalef, R. & J. Herrera 10-10362 M
(1963)A
Invest.pesq., (22):49-83
Hidrografía y fitoplancton de las costas de Castellón, de julio de 1959 a junio de 1960
(Hydrography and phytoplankton of the coasts of Castellón, from July 1959 to June 1960).
En

Herrera, J. (1963)A 10-10363 M
Invest.pesq., (22):171-9
Datos climáticos del puerto de Castellón en 1960
(Climatological data of the port of Castellón, in 1960). En

ANON. (1963) 10-10364 M
Merentutkimuslait.Julk., (205):59 p.
Vedenkorkeusarvoja 1961
Vattenstandsvärden 1961
(Sea level records for the year 1961). Su
Sv En

Contains the results of sea level observations made on the coast of Finland during the year 1961. Observations were made regularly at 13 tide gauge and 10 tide pole stations.

Shipek, C.J. & E.C. Evans 10-10365 M
(1963)BC
San Diego, Calif., Navy Electronics Laboratory, 14 p.
Depth regulation of lowered oceanographic equipment

Levkevich, E.M. (1961) 10-10366 M
Trud.Kom.okeanogr., 8
K voprosu o primenenii tenzometricheskikh datchikov dlia izucheniia volnovykh protsessov
(A note on the use of strain gauge devices to study wave processes)

ANON. (1963)B 10-10367 M
Okeanologiia, 3(4):706-14,750-2
(Marine surveying and observations). Ru

ANON. (1963) 10-10368 M
JPRS:21410:20 p.
Marine surveying and observations

Contains papers: Certain problems in the method for making meteorological observations in the open sea, by Yu.A. Volkov; Magnetic observations in the Pacific Ocean, by M.M. Ivanov; Conference on problems of marine magnetic surveying, Moscow, Apr 62, by M.N. Ivanov.
En 10-10367.
Available from Office of Technical Services, U.S. Department of Commerce, Washington D.C.

Tiuriakov, B.I. (1961)B 10-10369 M
Paper presented to Conference on "Interaction between the atmosphere and the hydrosphere in the North Atlantic" 3-4(10):21-37
(Preliminary results in attempting to give explanation to the fluctuations in the drift circulation over the North Atlantic by computation methods). Ru

Akedo, K. (d.u.) 10-10370 M
Umi to Sora, 39(4):1-5
(Development of the extratropical cyclones passing over the Japan Sea in winter). Ni
En

Discussion of contributing factors; diagrams for deepening of extratropical cyclones were devised.
Issued also as: Bull.Kobe Mar.Obs., (173): 8, 1964.

George, M.J. & K.N.K. Kartha 10-10371 M
(1963)
J.mar.biol.Ass.India, 5(2):178-84
Surface salinity of Cochin backwater with reference to tide

Attempt to estimate degree of tidal influence on salinity of the backwater at various tidal heights.

Ishino, M. (1963) 10-10372 M
J.Tokyo Univ.Fish., 49(2):73-181
Studies on the oceanography of the Antarctic circumpolar waters

Explanation of treatment of data; temperature, salinity & density distribution; water mass analysis by means of T-S curve; vertical stability; geostrophic current; movement of water masses; upwelling phenomena in these waters.

Patil, M.R. & C.P. Ramamirtham 10-10373 M
(1963)
J.Mar.biol.Ass.India, 5(2):159-69
Hydrography of the Laccadives offshore waters - a study of the winter conditions

Discussion of vertical distribution of T, S, O_2 pH and specific volume; tracing of water masses; and water movements. Comparison between winter and summer conditions.

Ramamirtham, C.P. & R. Jayaraman 10-10374 M
(1963)
J.Mar.biol.Ass.India, 5(2):170-7
Some aspects of the hydrographical conditions of the backwaters around Willington Island (Cochin)

Attempt to clarify the main pattern of distribution of the various parameters (spatial and temporal); and to indicate the mixing processes in the area.

California University. Scripps 10-10375 M
Institution of Oceanography (1963)C
Berkeley, University of California Press, 598 p.
Oceanic observations of the Pacific - 1951

Contains all those observations made in 1951. For each oceanographic station, values of temperature, salinity, oxygen or phosphate are tabulated as observed and at standard depths. Computed values of density, specific volume anomaly or thermosteric anomaly, and geopotential anomaly are also tabulated at standard depths.
FAO:hr

Davies, D. (1964) 10-10376 M
New Scient., 24(418):510-3
Geophysical discoveries in the N.W. Indian Ocean

Results from work of International Indian Ocean Expedition are discussed. Important conclusions about the nature of ocean-floor features and the origin of oceans.

USPHS (1964) 10-10377 M
Radiol.Hlth Data, 5(10):493-8
Strontium-90 and gross radioactivity in surface waters of the United States, April 1964.

Meyer, A. (1964) 10-10378 M
Arch.FischWiss., 15(1):1-16
Zusammenhaug zwischen Eisdrift, atmosphärischer Zirkulation und Fischerei im Bereich der Fangplätze vor der südostgrönländischen Küste während der ersten Jahreshälfte
(The interrelation between the ice-drift, atmospheric circulation, and fishery in the range of fishing grounds off south-east Greenland during the first half of the year). En

Moss, J.E. (1963)C 10-10379 M
Washington, D.C., American Petroleum Institute, 122 p.
Character and control of sea pollution by oil

Comprehensive study of sea pollution by oil and suggestion how to reduce the waste oil discharge at sea.

Draper, L. (1964) 10-10380 M
Oceanus, 10(4):13-5
"Freak" ocean waves

Discussion of the problem of predicting occurrence of exceptionally high waves by the statistics of a stationary random process and the statistics of rare events.

Kasahara, S. (1964) 10-10381 M
Bull.Japan Sea Fish.Res.Lab., (13):141-3
(A few experiments on the usability of polyethylene bottles as the sea water sample containers for chlorinity determination). Ni

Nagaya, Y. et al. (1964) 10-10382 M
Hydrogr.Bull., Tokyo, (76):31-3
(On the unusual radioactive contamination of sea water collected in spring of 1963 in the Japan Sea). Ni En

Results of radiochemical and radiological analysis of water sample collected in April 1963 off Kyo-ga-Misaki in the Japan Sea.

Nakai, T. (1964) 10-10383 M
Oceanogr.Mag., 15(2):89-97
An attempt of slope corrections on echogram in deep-sea

A new method of slope correction is presented with several practical nomographs for estimating the mean inclinations of the ocean floor from echo length, and some nomographs for routine use.

Nitani, H. & S. Kurashina (1964) 10-10384 M
Hydrogr.Bull., Tokyo, (76):12-30
(On the wave observations in Simabara Wan). Ni En

Estimation of maximum significant wave height based on maximum winter monsoon of 15m/sec.

Sawara, T. (1964) 10-10385 M
Oceanogr.Mag., 15(2):85-8
A short note on nomography for unprotected reversing thermometer

Relation between depth and mean density in the use of deep sea hydrographical coasts.

Sugimura, Y. (1964) 10-10386 M
J.oceanogr.Soc.Japan, 19(4):200-6
(Review. Chemical behavior of uranium in marine environment). Ni

Sugiura, K. & M. Kukushima (1964)A 10-10387 M
Hydrogr.Bull., Tokyo, (76):5-11
(Aerial photogrammetric measurement of tidal current (case of Kurusima Kaikyo)). Ni En

Sugiura, Y. (1964) 10-10388 M
Oceanogr.Mag., 15(2):67-79
Time and space variation of the T-Cl relation in Tokyo Bay

Variation in distribution pattern of temperature and chlorinity between surface and bottom layers, and estimation of exchange rate of water from inside and outside the bay during winter and summer, to aid a study of water-pollution.

Sugiura, Y. & H. Yoshimura (1964) 10-10389 M
J.oceanogr.Soc.Japan, 20(1):14-23
Distribution and mutual relation of dissolved oxygen and phosphate in the Oyashio and the northern part of Kuroshio regions

Description of the distribution and discussion of its oceanographic significance.

Tominaga, M. (1964) 10-10390 M
J.oceanogr.Soc.Japan, 20(3):103-9
Observation and analysis of significant height of wind waves generated on the surface of currents

Estimation of rates of increase or decrease of significant height for waves with random phase generating on a surface of currents.

Houtman, Th.J. (1964) 10-10391 M
N.Z.J.Geol.Geophys., 7(2):245-70
Surface temperature gradients at the Antarctic convergence

Discussion of seasonal and latitudinal variations of the middle temperatures and ranges of surface temperature gradients across the circumpolar zone of mixing between Antarctic and subantarctic waters.

Sdubbundhit, C.E. & A.E. Gilmour (1964) 10-10392 M
N.Z.J.Geol.Geophys., 7(2):271-8
Geostrophic currents derived from oceanic density over the Hikurangi Trench

Temperature and salinity measurements obtained at 9 stations off the east coast of the North Island of N.Z., indicating the presence of localized easterly surface water movements, with speeds up to approx. 50 cm sec.

Skopintsev, B.A., A.V. Karpov & O.A. Vershinina (1961) 10-10393 M
Gidrokhim.Mater., 31
Eksperimental'noe izuchenie obrazovaniia i okisleniia serovodoroda na primere Chernogo moria
(An experimental investigation of the formation and oxidation of hydrogen sulphide, taking the Black Sea as an example)

Longinov, V.V. (1961) 10-10394 M
Okeanologiia, 1:53-62
Dinamika beregovoi zony: zadachi i metody
(Dynamic of a shore zone: aims and methods)

Shortened version of monograph "Osnovy dinamiki beregovoi zony besprilivnykh morei" ("Principals of the dynamics of the shore zone of tide-free seas").

Ionin, A.S., P.A. Kaplin & V.S. Medvedev (1961) 10-10395 M
Okeanologiia, 1:148-62
O metodakh issledovaniia beregovoi zony morei v SSSR
(Methods of exploring the shore zone of USSR seas)

Budanova, L.Ia. (1961) 10-10396 M
Okeanologiia, 1:278-82
Batimetricheskaia karta severo-zapadnoi chasti Tikhogo okeana v masshtabe 1: 5 000 000
(1: 5 000 000 bathymetric map of the north-western part of the Pacific Ocean)

Galerkin, L.I. (1961) 10-10397 M
Okeanologiia, 1:237-40
O sezonnykh kolebaniiakh urovnia Tikhogo okeana
(Seasonal fluctuations of level in the Pacific Ocean)

Davidan, I.N. (1961) 10-10398 M
Okeanologiia, 1:226-36
Zakonomernosti mnogoletnego raspredeleniia morskikh voln i ikh sviaz' so skorost'iu vetra
(Patterns of perennial sea wave distribution and their connexion with wind speed)

Nevesskii, E.N. (1961) 10-10399 M
Okeanologiia, 1:63-77
O ritmichnosti morskikh transgressii
(The rhythmicity of marine transgressions)

Sokolov, O.A. (1961) 10-10400 M
Okeanologiia, 1:315-8
Dva prakticheskikh sposoba otsenki dal'nosti pod vodoi cherez illiuminator podvodnoi lodki
(Two practical methods of estimating under-water distance through a submarine illuminator)

Skorniakova, N.S. & N.L. Zenkevich (1961) 10-10401
Okeanologiia, 1:86-94
Raspredelenie zhelezomargantsevykh konkretsii v poverkhnostnom sloe osadkov Tikhogo okeana
(Distribution of ferromanganese concretions in the surface layer of Pacific Ocean sediments)

Smysoev, N.N. et al. (1961) 10-10402 M
Okeanologiia, 1:270-3
Seismoakusticheskie issledovaniia dna okeana i voprosy tektoniki
(Seismoacoustic investigation of the ocean bottom and problems of tectonics)

Timonov, V.V. (1961) 10-10403 M
Okeanologiia, 1:220-5
Issledovanie izmenenii gidrometeorologicheskikh uslovii Severnoi Atlantiki v sviazi s MGG i MGS
(Investigation of variations in hydrometeorological conditions in the North Atlantic, in connexion with the IGY & IGC)

Makerov, Iu.V. (1961) 10-10404 M
Trud.okeanogr.Inst., (61):169-98
Teplovoi balans Chernogo moria
(Heat balance of the Black Sea)

Novitskii, V.P. (1961) 10-10405 M
Trud.okeanogr.Inst., (64):3-32
Postoiannye techeniia severnoi chasti Barentseva moria
(Constant currents in the northern part of the Barents Sea)

Rzheplinskii, G.V.(1961) 10-10406 M
Trud.okeanogr.Inst., (61):53-65
Rezul'taty issledovanii okeanicheskogo volneniia v Antarktike
(Results of investigations of oceanic wave movement in Antarctica)

Simonov, A.I. (1961) 10-10407 M
Trud.okeanogr.Inst., :116-32
Otsenka vliianiia sgonno-vagonnykh iavlenii na velichinu srednegodovogo urovnia (na primere Azovskogo moria)
(Estimation of the effect of wind-generated movements of water, towards and away from the shore, on mean annual level, as exemplified in the Sea of Azov)

Uralov, N.S. (1961) 10-10408 M
Trud.okeanogr.Inst., (64):39-77
Nekotorye osobennosti sezonnoi i mnogoletnei izmenchivosti polozheniia vneshnei granitsy l'dov Barentseva moria
(Some characteristics of seasonal and perennial variations in the position of the outer ice boundary of the Barents Sea)

Vladimirov, O.A. (1961) 10-10409 M
Trud.okeanogr.Inst., :118-27
Sredniaia kvadraticheskaia velichina izmenchivosti urovnia i sviaz' ee s nekotorymi okeanologicheskimi kharakteristikami
(The mean square of level variability and its connexion with certain oceanological characteristics)

Aunin'sh, E.A. (1961) 10-10410 M
Trud.okeanogr.Inst., (59):98-113
Sezonnye izmeneniia gidrokhimicheskikh uslovii v Rizhskom zalive (po materialam 1959 g.)
(Seasonal variations of hydrochemical conditions in the Gulf of Riga: 1959 materials)

Arsen'ev, N.Ia. (1961) 10-10411 M
Trud.okeanogr.Inst., (64):93-102
K voprosu o vliianii prilivo-otlivnykh techenii na klimaticheskie i gidrologicheskie usloviia moria
(Influence of tidal ebb and flow currents on climatic and hydrological conditions of the sea)

Krylov, Iu.M. (1961) 10-10412 M
Trud.okeanogr.Inst., (61):22-35
O raschete voln zybi
(Calculation of swell)

Krylov, Iu.M. (1961) 10-10413 M
Trud.okeanogr.Inst., (61):36-52
Raschet maksimal'nykh vysot morskikh voln
(Calculation of maximum heights of sea waves)

Konovalova, I.Z. (1961) 10-10414 M
Trud.okeanogr.Inst., (61):133-41
Vychislenie tablits techenii postoiannogo deistviia
(Calculation of steady currents tables)

Lineikin, P.S. (1961) 10-10415 M
Trud.okeanogr.Inst., (61):4-21
Opredelenie elementov vetrovoi okeanicheskoi tsirkuliatsii
(Determining the elements of ocean wind circulation)

Kupetskii, V.N. (1961) 10-10416 M
Trud.okeanogr.Inst., (64):78-92
Statsionarnye polyn'i v Belom more
(Stationary polynia in the White Sea)

Kudlo, B.P. (1961) 10-10417 M
Trud.okeanogr.Inst., (64):33-8
Nekotorye dannye o vodoobmene mezhdu Barentsevym i Norvezhskimi moriami
(Some data on water exchange between the Barents and Norwegian Seas)

Luk'ianov, V.V. & L.K. Moiseev (1961) 10-10418 M
Okeanol.Issled., :31-43
Raspredelenie temperatury vody v severnoi chasti Indiiskogo okeana
(Distribution of water temperature in the northern part of the Indian Ocean). En

Ovchinnikov, I.M. (1961) 10-10419 M
Okeanol.Issled., :18-24
Tsirkuliatsiia vod severnoi chasti Indiiskogo okeana v period zimnego messona
(Water circulation in the northern part of the Indian Ocean during the winter monsoon). En

Pavlov, V.M. (1961) 10-10420 M
Okeanol.Issled., :44-9
Opticheskie kharakteristiki osnovnykh vodnykh mass severnoi chasti Indiiskogo okeana
(Optical characteristics of the main water masses in the northern part of the Indian Ocean). En

Romanov, Iu.A. (1961) 10-10421 M
Okeanol.Issled., :25-30
Ob usloviiakh primeneniia dinamicheskogo metoda v ekvatorial'noi chasti Indiiskogo okeana
(Conditions for the application of the dynamic method in the equatorial part of the Indian Ocean). En

Kovylin, V.M. (1961) 10-10422 M
Okeanol.Issled., :100-9
Seismoakusticheskie issledovaniia v okeane metodom otrazhennykh voln i mnogokanal'noi priemnoi sistemoi
(Seismoacustic exploration of the ocean by the reflected wave method with a multichannel detector system). En

Bordovskii, O.K. (1961) 10-10423 M
Okeanol.Issled., :91-9
K khimii donnykh otlozhenii Indiiskogo okeana
(Contribution to the chemistry of clastic deposits of the Indian Ocean). En

Bezrukov, P.L. (1961) 10-10424 M
Okeanol.Issled., :76-90
Issledovaniia donnykh osadkov severnoi chasti Indiiskogo okeana
(Investigation of clastic deposits in the northern part of the Indian Ocean). En

Petrushevskii, B.A. (1961) 10-10425 M
Priroda, Moskva, (3):15-26
Zemletriaseniia i ikh prichiny (v chastnosti, o zemletriaseniiakh, voznikaiushchikh pod dnom moria i vyzyvaiushchikh ogromnye morskie volny - tsunami)
(Earthquakes and their causes, in particular earthquakes generated under the sea bottom and producing huge waves - tsunami)

Ikonnikova, L.N. (1961) 10-10426 M
Met.i Gidrol., (6):42-4
K metodike opredeleniia razmerov tsunami
(Towards a technique of determining the dimensions of tsunami)

Matushevskii, G.V. (1961) 10-10427 M
Met.i Gidrol., (4):17-22
Ob uglovom raspredelenii energii v spektre morskogo volneniia
(Angular distribution of energy in the spectrum of wave movement in the sea)

Sharikov, Iu.D. (1961) 10-10428 M
Met.i Gidrol., (6):51-2
K voprosu primeneniia fluorestsina dlia opredeleniia napravleniia poverkhnostnykh techenii v more
(Use of fluorescein to determine the direction of surface currents in the sea)

Fedorov, P.V., A.R. Geptner & V.M. Muratov (1961) 10-10429 M
Dokl.Akad.Nauk SSSR, 138:181-3
O vremeni poiavleniia sredizemnomorskikh elementov v faune Chernogo moria
(The time at which Mediterranean elements appeared in the Black Sea fauna)

Nevesskaia, L.A. & E.N. Nevesskii (1961) 10-10430 M
Dokl.Akad.Nauk SSSR, 137:934-7
O sootnoshenii karangatskikh i novoevksinskikh sloev v pribrezhnykh raionakh Chernogo moria
(Correlation of the Karangat and Neoeuxine layers in the near-shore areas of the Black Sea)

Nevesskii, E.N. (1961) 10-10431 M
Dokl.Akad.Nauk SSSR, 137:667-70
O poslelednikovoi transgressii Chernogo moria
(Postglacial transgression of the Black Sea)

Emel'ianov, E.M. (1961) 10-10432 M
Dokl.Akad.Nauk SSSR, 137:1437-40
Novye dannye po osadkam Sredizemnogo moria
(New date on Mediterranean sediments)

Lebedev, L.I. (1961) 10-10433 M
Dokl.Akad.Nauk SSSR, 137:927-30
Proiskhozhdenie shel'fa srednego Kaspiia
(Origin of the central Caspian shelf)

Fomin, L.M. (1961)C 10-10434 M
Moskva, Akademiia Nauk SSSR, 192 p.
Teoreticheskie osnovy dinamicheskogo metoda i ego primenenie v okeanologii
(Basic theory of the dynamic method and its use in oceanology)

Ivanov, L. (1963) 10-10435 M
Dokl.bulgarsk.Akad.Nauk, 16(5):553-7
The effect of the severity of winter on the entry of fish in the zone of the Black Sea of the Bulgarian coast

Pakhomova, A.S. (1960) 10-10436 M
Trud.okeanogr.Inst., :58-84
Organicheskoe veshchestvo v donnykh otlozheniiakh Kaspiiskogo moria
(Organic matter in clastic deposits of the Caspian Sea)

Khain, V.E. (1961)C 10-10437 M
Moskva, "Znanie", 44 p.
Proiskhozhdenie materikov i okeanov
(The origin of the continents and oceans)

Hersey, J.B. et al. (1963) 10-10438 M
Radiotekh.i Elektron.(En Transl), 26(3):245-51
Adaptation of sonar techniques for exploring the sediments and crust of the earth beneath the ocean

Carruthers, J.N. (1964)A 10-10439 M
Nature,Lond., 201(4917):363-5
The Bosporus undercurrent: some bed measurements

Frosch, R.A. (1964)A 10-10440 M
Science, 146(3446):889-94
Underwater sound: deep-ocean propagation. Variations of temperature and pressure have great influence on the propagation of sound in the ocean

Ito, N. (1964) 10-10441 M
J.oceanogr.Soc.Japan, 19(4):182-6
On the small-scale horizontal diffusion near the coast

Results of several small-scale dye-release experiments carried out off Tokaimura by Japan Atomic Energy Research Institute and others and their application to the problem of environmental safety around atomic establishments.

Iselin, C.O'D. (1964) 10-10442 M
Oceanus, 10(4):8-11
Oceanographic forecasts

Development of charts for calculating variations in average conditions of the horizontal thermal structure during the forecast period, based on tabulated values of temperature at 200 m and weather of the proceeding weeks. Explanation of the significance and limitations of a plot of average temperature at 200 m.

Konaga, S. (1964) 10-10443 M
J.oceanogr.Soc.Japan, 20(1):1-6
(On the current velocity measured with geomagnetic electrokinetograph). Ni
En

A discussion of error in G.E.K. values due to geomagnetic disturbances (usually small and therefore neglected), ship's drift by wind and tidal currents. Estimate of tidal current and the direct effect of the wind can be made from the vector differences of values.

Nagata, Y. (1964) 10-10444 M
J.oceanogr.Soc.Japan, 19(4):169-81
The statistical properties of orbital wave motions and their application for the measurement of directional wave spectra

Measurement of the orbital wave motion with electromagnetic current meters and study of the directional wave properties and the deformation of waves in shoaling water in connection with movement of sediment.

Nan'niti, T. et al. (1964) 10-10445 M
Oceanogr.Mag., 15(2):113-22
An observation of a deep current in the southern east sea of Tori Shima

Measurements of deep current at 1000 m depth at 30 degrees N. Estimation of current mean speed and oscillation period indicating water flowing southward across the Ogasawara submarine ridge and vice versa.

Shiozaki, M., Y. Seto & R. Higano (1964) 10-10446 M
J.oceanogr.Soc.Japan, 20(1):7-13
Simplified analytical method of strontium -90 in sea water

Describes the method, presents example of results and discusses scavenging of Y-91 and its separation from natural and radioactive nuclides, radiochemical purification of Y-90 when the sample does not contain Y-91 and the interpolated method.

Japan. Maritime Safety Agency (1964) 10-10447 M
Hydrogr.Bull.,Tokyo, (75):86 p.
Tables of results from oceanographic observation in 1960

Results of oceanographic, bathythermograph, current, and tidal observations, with figures showing stations and sectional lines.

Ueno, T. (1964) 10-10448 M
Oceanogr.Mag., 15(2):99-111
Theoretical studies on tidal waves travelling over the rotating globe. 1.

The hydrodynamical equations for tides; potential of tide-generating force; fundamental equations for the M_2 & O_1 tides; outline of computations.

Gaul, R.D. (Ed.)(1963) 10-10449 M
Mar.Sci.Instrument., 2:195 p.
Proceedings of the symposium on transducers for oceanographic research

IA 18(6)3405. Contains 10-10450 to 10-10461, 10823, 10856.

Brown, N.L. (1963) 10-10450 M
Mar.Sci.Instrument., 2:19-24
A proposed in situ salinity sensing system

IA 18(6)3638.

Skinner, D.D. (1963) 10-10451 M
Mar.Sci.Instrument., 2:25-8
An in situ conductivity meter

IA 18(6)3637.

Von Wald, W.A. (1963) 10-10452 M
Mar.Sci.Instrument., 2:107-11
Equipment for telemetering ocean-wave information

Notes on the U.S. Naval Res.Lab. weather-telemetering buoy and wave-measuring equipment.
IA 18(6)3886.

Mark, R.B. (1963) 10-10453 M
Mar.Sci.Instrument., 2:101-5
Shipboard ultrasonic wave height sensor

Electronic system measuring relative displacement of sea surfaces from mean sea level with an accuracy better than 5%, while compensating for all significant ship motions.
IA 18(6)3887.

Folsom, T.R. (1963) 10-10454 M
Mar.Sci.Instrument., 2:1-7
Transducers for oceanic research - a wide scope

Many references to history of oceanographic instrumentation.
IA 18(6)3891.

Stevens, R.G. & L.F. Shodin (1963) 10-10455 M
Mar.Sci.Instrument., 2:147-53
A fast response cup anemometer for measurement of turbulent wind over the ocean

IA 18(6)3893.

Paquette, R.G. (1963) 10-10456 M
Mar.Sci.Instrument., 2:135-46
Practical problems in the direct measurement of ocean currents

IA 18(6)3854.

Koczy, F.F., M. Kronengold & J.M. Loewenstein (1963) 10-10457 M
Mar.Sci.Instrument., 2:127-34
A Doppler current meter

IA 18(6)3855.

Gaul, R.D., J.M. Snodgrass & D.J. Cretzler (1963) 10-10458 M
Mar.Sci.Instrument., 2:115-25
Some dynamical properties of the Savonius rotor current meter

IA 18(6)3856.

Hudimac, A.A., J.R. Olson & D.F. Brumley (1963) 10-10459 M
Mar.Sci.Instrument., 2:49-52
A mobile instrument of ocean temperature in the thermocline region

IA 18(6)3907.

LaFond, E.C. (1963) 10-10460 M
Mar.Sci.Instrument., 2:53-9
Towed sea temperature structure profiler

A vertical string of 34 thermistors.
IA 18(6)3914.

Peloquin, R. & M. Weiss (1963) 10-10461 M
Mar.Sci.Instrument., 2:61-72
Airborne instrument for precision measurement of sea surface temperature using infrared radiation emitted by the sea

IA 18(6)3918.

Leandri, M. et al. (1963) 10-10462 M
Rev.Hyg.Méd.soc., 11:411-6
(Trials of experimental decontamination of Mediterranean shellfish polluted by water rendered radioactive). Fr

Leandri, M. (1963) 10-10463 M
Rev.Hyg.Méd.soc., 11:401-10
(Studies on the experimental contamination of certain currently eaten Mediterranean shellfish). Fr

Campbell, N.J. (1964) 10-10464 M
J.Fish.Res.Bd Can., 21(1):45-55
The origin of cold high-salinity water in Foxe Basin

Explanation of water mass discovered in 1955.

Laktionov, A.F. (1962)B 10-10465 M
Okeanologiia, (5):901-3
(M.V. Izvekov's drift recorder). Ru

Laktionov, A.F. (1963) 10-10466 M
5828.4(10086)
M.V. Izvekov's drift recorder

En 10-10465.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Andreyanov, V.G. et al. (1963) 10-10467 M
M.5136
Use of probability endurance curves in the study of waves produced by wind

En V.G. Andreyanov et al., 1956.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Higano, R. (1963) 10-10468 M
M.5146
On a recording salinity meter using silver-silver chloride electrodes

En R. Higano, 1958.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Ivanov, Yu.A. & V.M. Kamenkovich (1963) 10-10469 M
M.5130
Bottom relief as the main factor responsible for the non-zonal course of the Antarctic circumpolar current

En 61-03615.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Kudinov, E.I. (1963) 10-10470 M
M.5132
Vibratory piston core-sampler

En 59-3386.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Lineikin, P.S. (1963) 10-10471 M
M.5107
On the dynamics of the baroclinic layer in the ocean

En 58-1349.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Lineikin, P.S. (1963) 10-10472 M
M.5117
Wind currents in the deep sea

En P.S. Lineikin, 1956.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Lisitsyn, A.I. & G.B. Udintsev (1963) 10-10473 M
M.5123
A new type of grab

En Lisitsyn, A.I. & G.B. Udintsev, 1955.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Litvin, V.M. (1963) 10-10474 M
M.5127
Submarine valleys on the "continental" slope south of Iceland

En V.M. Litvin, 1959.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Musina, A.A. & E.V. Belysheva 10-10475 M
(1960)B
Trud.okeanogr.Kom.Akad.Nauk SSSR, 10(2):61-8
(Hydrochemical features of Arctic seas).
Ru

Musina, A.A. & E.V. Belysheva 10-10476 M
(1963)
M.5104
Hydrochemical features of Arctic seas

En 10-10475.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Rishkov, U.G. (1963) 10-10477 M
M.5131
The development of the upwelling in the deep sea

En U.G. Rishkov, 1959.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Shishkina, O.V. (1963) 10-10478 M
M.5137
Methods of obtaining marine ooze waters and analysing their salt composition

En O.V. Shishkina, 1956.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Shuleikin, V.V. (1963) 10-10479 M
M.5120
Physical principles of forecasting wind waves in the ocean

En 60-3875.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Sysoev, N.N. (1961)B 10-10480 M
Inform.Biull.mezh.geofiz.God., (9):17-21
(The study of deep Pacific currents during the I.G.Y.). Ru

Sysoev, N.N. (1963) 10-10481 M
M.5103
The study of deep Pacific currents during the I.G.Y.

En 10-10480.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Zenkevich, M.L. (1963) 10-10482 M
M.5111
Bottom relief of the northern part of the Japan Sea

En 60-3347.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Zenkovich, V.P. (1963) 10-10483 M
M.5129
Concerning the profiles of the submarine slope of the west Crimean coast

En 60-5720.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Adrov, M.M. (1963) 10-10484 M
9022.56(28)
Further developments in investigations of the hydrological regime of the Barents Sea

En 61-07364.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Capurro, L.R.A. (Comp.) 10-10485 M
(1961)
IGY Oceanogr.Rep., (3),Pt.2A:225 p.
Oceanographic observations in the intertropical region of the world ocean during IGY and IGC. Part 2a: Pacific Ocean (France, Japan and Union of Soviet Socialist Republics)

Co 62-05243.

Capurro, L.R.A. (Comp.) 10-10486 M
(1961)
IGY Oceanogr.Rep., (3),Pt.2B:298 p.
Oceanographic observations in the intertropical region of the world ocean during IGY and IGC. Part 2b: Pacific Ocean (United States of America)

Co 10-10485.

Elliott, F.E. (1963) 10-10487 M
Proc.Instrum.Soc.Amer., 18(2):3 p.
Oceanographic platforms and measurements

Capabilities of 8 types of platform are examined.
IA 19(1)356.

Inderbitzen, A.L. (1963) 10-10488 M
Proc.Instrum.Soc.Amer., 18(2):5 p.
Two advanced instruments for sea floor investigation

Descriptions of bottom corer and slope sled designed for towing over ocean floor, continuously transmitting to towing ship the slope angle over which it is being towed as well as its depth.
IA 19(1)359.

Lumb, F.E. (1963) 10-10489 M
Mar.Obs., 33(199):23-9
A simple method of estimating wave height and direction over the North Atlantic

Simple relations between maximum wave height and mean wind speed over the preceding 12 hours are derived. Their limitations are discussed, and a simple method of estimating or predicting the maximum wave height and dominant wave direction over the north-east part of the North Atlantic, whether or not swell predominates over sea, is explained by means of an example.

Bulmer, B.F. (1963) 10-10490 M
Mar.Obs., 33(199):29-31
Newfoundland and tropical storms

Concludes that 'tropical storms' do not normally affect Newfoundland, although the odd residual characteristic such as the suggestion of an 'eye' may have been reported.

Belton, A.R. (1963) 10-10491 M
Mar.Obs., 33(199):31-3
A new punch-card

Describes and outlines usage of the new international maritime meteorological punch-card.

Lawrence, E.N. (1963) 10-10492 M
Mar.Obs., 33(199):33-7
Artificial cloud formation over sea

That funnel exhaust does aid the formation and maintenance of cloud is demonstrated by repeated reports of the concurrence of such cloud over the ship only when the ship's course and speed are similar to those of the wind.

ANON. (1963) 10-10493 M
Mar.Obs., 33(199):37-40
International ice patrol - 1962

An account of the 1962 season with local and operational details.

Tunnell, G.A. (1963) 10-10494 M
Mar.Obs., 33(199):40-3
The ice and sea temperature charts of the marine division

General descriptive account of the monthly charts of the distribution of sea-ice, sea surface temperature and the vertical variation of sea temperature over sea areas in and around the North Atlantic Ocean.

Best, E.A. (1963) 10-10495 M
Calif.Fish Game, 49(1):56
Fisheries hydrography

Re 8-03076.

Johnson, R.G. (1962) 10-10496 M
TID-14390:10 p.
Research on the marine geology and biology of Tomales Bay, California

Available from IAEA, Vienna, Austria.

Rochford, D.J. (1963) 10-10497 M
Cronulla, 30 p.
SCOR-UNESCO chemical intercalibration tests. Results of 2nd series, R.S. VITYAZ August 2-9, 1962, Australia

Apparatus, techniques and results of sea-water sampling and estimation of inorganic phosphorus and oxygen. Tests of precision; comparison of Winkler and Equilibrator valves; evaluation of Nansen bottles and thermometers. Recommendations and references.
Co 10-11235.

NODC (1963) 10-10498 M
Quart.List process.oceanogr.Cruis., Jan.,12 p.

Oceanographic cruise data (physical and chemical) processed to completion and available from NODC archives as of 1 January 1963.

Glenne, B. & T. Simensen (1963) 10-10499 M
Sarsia, (11):43-73
Tidal current choking in the landlocked fjord of Nordasvatnet

Due to heavy pollutional loading of fjord south of Bergen, interchange of water through narrow canal between Nordasvatnet and the open fjord has been surveyed. Tidal heights were measured outside Straume and at three different locations in fjord. Hydraulic information about Straume canal made by velocity measurements over a tidal period. Mathematical formulation of interchange process fitted on an analog computer. Canal velocity, canal flow and tidal elevation in Nordasvatnet were calculated for a varying canal area.

Isaacs, J.D. et al. (1963) 10-10500 M
Bull.Scripps Instn Oceanogr., 8(3):271-312
Deep-sea moorings. Design and use with unmanned instrument stations

Describes methods devised for mooring surface instrument floats at fixed positions in the deep sea. The fundamental principles, the environmental factors, the design of equipment, and the overall systems, techniques, and procedures at sea are discussed.

G.A.T. (1963) 10-10501 M
Mar.Obs., 33(200):87-90
Notes on ice conditions in areas adjacent to the North Atlantic ocean from October to December 1962

Longuet-Higgins, M.S. & R.W. Stewart (1963) 10-10502 M
J.Mar.Res., 21(1):4-10
A note on wave set-up

Compares the theory with the experimental results.

Sugiura, Y., E.R. Ibert & D.W. Hood (1963) 10-10503 M
J.Mar.Res., 21(1):11-24
Mass transfer of carbon dioxide across sea surfaces

Laboratory and field investigations.

Robinson, A.R. & P. Welander (1963)A 10-10504 M
J.Mar.Res., 21(1):25-38
Thermal circulation on a rotating sphere; and application to the oceanic thermocline

Laevastu, T. (1963)A 10-10505 M
Rep.Hawaii Inst.Geophys., (30):10 p.
Energy exchange in the North Pacific; its relations to weather and its oceanographic consequences. Part 2. Procedure of computation of heat exchange components and the accuracy of the daily computations

Co 9-01019.

Laevastu, T. (1963)A 10-10506 M
Rep.Hawaii Inst.Geophys., (31)(Rev.):21 p.
Energy exchange in the North Pacific: its relations to weather and its oceangraphic consequences. Part 3. Daily heat exchange in the North Pacific in different seasons; oceanographic consequences and relations to weather

Co 10-10505.

Canada. Fisheries Research Board. Biological Station, St. Andrews, N.B. (1963)C 10-10507 M
3 p.
Report to Canadian committee on oceanography

The aim of this investigation is to provide environmental information needed to study the natural fluctuations of the fisheries.

Kimsey, J.B. & R.F. Temple 10-10508 M
(1963)
Circ.U.S.Fish Wildl.Serv., (161):23-7
Currents on the continental shelf of the northwestern Gulf of Mexico

Kol'man, O.V. (1962) 10-10509 M
Okeanologiia, 2(6):1115-7
(Cruise of the American atomic submarine SEADRAGON in the Arctic ocean). Ru

Account of the voyage of August-September 1960. Physical and biological observations made under the polar ice.

Kol'man, O.V. (W.G. Van Campen 10-10510 M
Transl.) (1963)C
Hawaii, Biological Laboratory, 4 p.
Cruise of the American atomic submarine SEADRAGON in the Arctic ocean

En 10-10509.

Harrison, W. (1963)A 10-10511 M
Spec.sci.Rep.Va Inst.Sci., (40):6 p.
Diffusion in a low-velocity, inshore tidal current off Virginia beach, Virginia

Avery, D.E., D.C. Cox & T. 10-10512 M
Laevastu (1963)
Rep.Hawaii Inst.Geophys., (26):22 p.
Currents around the Hawaiian islands (A study of coastal currents in respect to sewage disposal)

A study of the factors affecting the selection of disposal sites, and of the factors which might determine the periodicity and manner of disposal. Some consideration is given to the possible effect of pollution on marine life along the coast.

Pachadzhanov, D.N. et al. (1963) 10-10513 M
Geokhimiia, (5):493-9
Nekotorye dannye po geokhimii margantsevykh konkretsii Indiiskogo okeana
(Some data on the geochemistry of manganese concretions of the Indian Ocean). En

Tyler, J.E. (Ed.) (1964) 10-10514 M
University of Hawaii Press, 64 p.
Physical aspects of light in the sea, a symposium

Presented at the 10th Pacific Science Congress of the Pacific Science Association.

Taniguti, T. (1964) 10-10515 M
Bull.Fac.Fish.Nagasaki, (17):104-9
Consumption of dissolved oxygen by bacterial decomposition of various organic compounds added into inshore sea water

Report of general survey on the decomposition rate of 19 compounds in 4 sea waters wich were contaminated by land water in differing degrees. Influence of ammonium sulphate on decomposition rate is tested.

Hiyama, Y. & M. Shimizu (1964) 10-10516 M
Rec.oceanogr.Wks Jap., 7(2):43-77
On the concentration factors of radioactive Cs, Sr, Cd, Zn, and Ce, in marine organisms

Reports on a series of tracer experiments carried out between 1958 and 1962.

Hiyama, Y. & J. Matsubara Khan 10-10517 M
(1964)
Rec.oceanogr.Wks Jap., 7(2):79-106
On the concentration factors of radioactive I, Co, Fe and Ru, in marine organisms

Observed state of equilibrium of each nuclide between sea water and the organisms; confirmation of factors influencing uptake; distribution of nuclides in fish organs.

Hakodate Marine 10-10518 M
Observatory (1964)
Bull.Hakodate Mar.met.Obs., (Special):149 p.
(Report of the detailed oceanographic observations in the Tsugaru Straits from August to September, 1962). Ni En

Progress of observations; sea conditions deduced from distribution of temperature, chlorine and dissolved oxygen; analysis of current measurements and calculation of volume transportations of the Tsushima warm current into Tsugaru Straits; investigation of current rips.
:aem

Mogi, A. & T. Sato (1964) 10-10519 M
J.oceanogr.Soc.Japan, 20(2):51-6
Topography and sediment in the southern part of Japan Trench

Report on submarine topography and bottom sediments.

Nagata, Y. (1964) 10-10520 M
J.oceanogr.Soc.Japan, 20(2):57-70
Deformation of temporal pattern of orbital wave velocity and sediment transport in shoaling water, in breaker zone and on foreshore

Measurement of horizontal velocities of orbital wave motion and deformations in respect of 2 beaches of gentle slope and steep slope are examined; together with data on suspended sediment.

Shiozaki, M., Y. Seto & R. Higano (1964) 10-10521 M
J.oceanogr.Soc.Japan, 20(2):81-8
Oceanographic investigation of radioactive contamination of sea water at the mid Pacific area

Nuclide analysis of sea water collected near Christmas Island; discussion of differences in concentration of nuclides in different areas and differences in vertical distribution of radioactivities.

Sugiura, Y. & S. Chaitiamvong (1964) 10-10522 M
J.oceanogr.Soc.Japan, 20(2):89-92
Relation of silicate concentration to dissolved oxygen amount in sea water collected in the northern, frontal region of Kuroshio

Study of relation of silicate to apparent oxygen utilization indicating that some part of silicate is dissolved into water by non-biochemical process.

Sugimoto, H., M. Suzuki & O. Takeuchi (1964) 10-10523 M
Bull.Jap.Soc.sci.Fish., 30(7):542-53
(Studies of the oil pollution on the fishing ground in Seto Inland Sea. 1. Distribution of oily wastes in the sea).
Ni En

Possible sources of oily wastes are discussed; properties and volume of wastes are calculated; determination of distribution pattern of oil on surface.

Fujimori, T. (1964) 10-10524 M
Bull.Tokai Fish.Res.Lab., (38):77-98
Preliminary report on the oceanographic anomaly in the early half of 1963 in the waters adjacent to Kanto district. Ni

Synoptic analysis undertaken to clarify the abnormal characteristics of the oceanographic conditions, in comparison with oceanographic data collected in the previous 10 years.
Issued also as: Contr.Tokai Fish.Res.Lab., (207).

Nakai, Z. et al. (1964) 10-10525 M
Bull.Tokai Fish.Res.Lab., (38):57-75
Preliminary report on marine biological anomalies on the Pacific coast of Japan in early months of 1963, with reference to oceanographic conditions. Ni

Oceanographic conditions in February/March and April/May 1963 and comparison of temperature with previous records; anomalies in plankton, fish eggs and larvae abundance, fish populations and exploitation and effect on major fish resources.
Issued also as: Contr.Tokai Fish.Res.Lab., (A-199).
:aem

ANON. (1964) 10-10526 M
New Scient., 24(423):830
Air gun for mapping ocean sediments

Describes a modification of technique of ocean bottom profiling by using a high-pressure air gun in place of the normal TNT charge.

Paakkola, O. & A. Voipio (1965) 10-10527 M
Nature,Lond., 205(4968):274
Strontium-90 in the waters of the Baltic Sea

Shepard, F.P. (1964) 10-10528 M
Science, 143(3606):574-6
Sea level changes in the past 6000 years: possible archeological significance

P.H.A. (1964) 10-10529 M
Science, 143(3606):529
Drilling in the ocean floor

The importance of deep and shallow drilling to evaluate the mineral potential of oceanic bottom rocks is stressed.

Flemming, N.C. (1964) 10-10530 M
Nature,Lond., 203(4949):1060
Marine levels in south Italy

Reid, J.L. Jr. (1964) 10-10531 M
Nature,Lond., 203(4941):182
Evidence of a south equatorial counter-current in the Atlantic Ocean in July 1963

MacDonald, G.J.F. (1964) 10-10532 M
Science, 143(3609):921-9
The deep structure of continents

Heat-flow and gravity observations and satellite data shed light on the origin of continents and oceans. Relative motion of the continent-ocean boundary is discussed.

Waterman, L.S. (1965) 10-10533 M
Nature,Lond., 205(4976):1099-100
Carbon dioxide in surface waters

The measurements made with an infra-red gas analyser on N.Pacific, Indian and central Atlantic Oceans are reported.

Bradner, H. (1964) 10-10534 M
Science, 146(3641):208-16
Seismic measurement on the ocean bottom

New instruments are used to study earth's crustal structure and seismic background.

Schroeder, E.H. (1963) 10-10535 M
Ser.Atlas mar.Envir., Folio 2, 11 p. 8 plates
North Atlantic temperatures at a depth of 200 meters

Nine plates based on 96,000 subsurface observations, in data collection at Woods Hole Oceanographic Institution. Collection contains station data copied from publications and obtained by institution personnel, and bathythermograph data processed by various agencies including National Oceanographic Data Center, the Naval Research Establishment at Halifax, and processing section at the Institution. Illustrates that major North Atlantic currents are represented in temperature distributions. Data used are presented in appendix in tabular form, for each one-degree quadrangle, are average, maximum, and minimum temperature at 200 meters, number of observations which make up each average, and seasonal distribution of data. Short introductory text.

Laevastu, T. (1963) 10-10536 M
Ser.Atlas mar.Envir., Folio 4, 2 plates
Surface water types of the North Sea and their characteristics

Graphical representation of summer and winter water types and the hydrographical regions. Diagrams of vertical section and those of annual variations of monthly average sea surface temperature are shown.

Bumpus, D.F. & L.M. Lauzier (1965) 10-10537 M
Ser.Atlas mar.Envir., Folio 7, 8 plates
Surface circulation on the continental shelf off eastern North America between Newfoundland and Florida

The non-tidal surface current was studied based on the drift bottle method. More than 156.000 bottles were released. The recovered bottles were analysed carefully and the results were presented in 12 charts, one for each month, exhibiting the annual cycle of the circulation on the continental shelf.

Berry, R.W. (1963)C 10-10538 M
Thesis, Washington University, 120 p.
Geochemistry and mineralogy of the clay-sized fractions of some North Atlantic and Arctic Ocean bottom sediments

DA 15(1):407.

Dalrymple, D.W. (1964)C 10-10539 M
Thesis, Rice University, 250 p.
Recent sedimentary facies of Baffin Bay, Texas

DA 25(3):1841.

Calvert, S.E. (1964)C 10-10540 M
Thesis, University of California, San Diego, 265 p.
The diatomaceous sediments of the Gulf of California

DA 25(5):2927.

Rockford, D.J. (1963) 10-10541 M
Aust.J.Mar.Freshw.Res., 14:119-38
Some features of organic phosphorus distribution in the south-east Indian and south-west Pacific Oceans

Dal Pont, G. & B. Newell (1963) 10-10542 M
Aust.J.Mar.Freshw.Res., 14:155-65
Suspended organic matter in the Tasman Sea

Uda, M. (1963) 10-10543 M
J.Fish.Res.Bd Can., 20(1):119-79
Oceanography of the subarctic Pacific Ocean

All available oceanographic data observed from 1951 through 1958, north of Lat. 35 N in the Pacific Ocean, the Sea of Okhotsk, and the Bering Sea, together with the relevant literature, were examined. There were sufficient data from 1955 through 1958 to prepare composite charts of salinity, temperature, dissolved oxygen and transparency of the near-surface waters in the subarctic region from Asia to America.

Japan. Maritime Safety Agency (1964) 10-10544 M
Hydrogr.Bull., Tokyo, (77):82 p.
Tables of results from oceanographic observation in 1961

Results of oceanographic, bathythermograph, current and tidal observations, made on 110 cruises, with figures showing stations and sectional lines.

Iwasa, K. (1964) 10-10545 M
Hydrogr.Bull., Tokyo, (78):27-49
(The study of the radio buoy for oceanographical observations). Ni En

List of components, circuits and characteristics of the buoy.

Hikosaka, S. (1964) 10-10546 M
Hydrogr.Bull., Tokyo, (78):50-2
(Note on the dimensions of the tide well and pipe of the tide house). Ni En

Study undertaken for the reduction of sea wave disturbance in the well.

Nagaya, Y., M. Shiozaki & Y. Seto (1964) 10-10547 M
Hydrogr.Bull., Tokyo, (78):53-62
(On the radiological survey of harbours during 1960-1962). Ni En

Results of radiochemical analysis of sea water and sediment samples collected from Kobe, Yokohama and Nagoya harbours.

Nagaya, Y., M. Shiozaki & Y. Seto (1964) 10-10548 M
Hydrogr.Bull., Tokyo, (78):63-7
(Radiological survey of sea water of adjacent sea of Japan in 1963). Ni En

Measurement of radioactivity level of sea water indicating seasonal variations and vertical distributions.

Matsudaira, Y. (1964)A 10-10549 M
J.Fac.Fish.Hiroshima, 5(2):495-8
(Relation between the Kuroshio and the high salinity region of the North Pacific Ocean, and the role of the high salinity region in the variation of sea condition in each ocean). Ni En

Hakodate. Marine Observatory 10-10550 M
(1964)
Bull.Hakodate Mar.met.Obs., (11): Item 1
(Report of the oceanographic observations in the sea east of Tohoku district from February to March, 1962; in the Tsugaru Straits in April, 1962; in the sea west of the Tsugaru Straits, the Tsugaru Straits and south of Hokkaido in May, 1962; in the Tsugaru Straits in May, 1962; Tsugaru Straits in June, 1962; in the sea south of Hokkaido in June, 1962; in the Tsugaru Straits from August to September, 1962; in the sea east of Tohoku district in September, 1962). Ni En
Incl. figures showing station locations; data on surface currents, water temperature, chlorinity, dissolved oxygen, phosphate-P and diatom distribution.

Hakodate. Marine Observatory 10-10551 M
(1964)
Bull.Hakodate Mar.met.Obs., (11): Item 2
(Sea ice conditions in the sea off Hokkaido from December 1961 to April 1962). Ni En

Analysis of data obtained from aerial, coastal and ship observations.

Sawada, T. (1964) 10-10552 M
Bull.Hakodate Mar.met.Obs., (11): Item 3
(Investigation on the relation between occurrence of sea fog and oceanic conditions). Ni En

Akagawa, M. (1964) 10-10553 M
Bull.Hakodate Mar.met.Obs., (11): Item 4
(On the drifting of pack-ice in the Pacific Ocean off Hokkaido). Ni En

Comparison of pack-ice conditions in the Okhotsk Sea and sea south-east of Hokkaido; meteorological observations at time of pack-ice occurrence; discussion of mechanism of ice occurrence.

Nozawa, K. (1964) 10-10554 M
Mem.Fac.Fish.Kagoshima, 13(1964):5-25
(Topographical consideration on the shallow water fishing ground inside bay). Ni En

Classification of tidal flats in Tokyo Bay and Simabara Bay into several types giving productivity and stability of productivity for each; consideration of the development of the tidal flat.

Sugiura, K., H. Iwasaki & 10-10555 M
K. Tsukahara (1964)
Hydrogr.Bull., Tokyo, (78):1-17
(Analytical aerial triangulation as control for hydrographic survey (applying photogrammetry to hydrography (1))). Ni En

Describes investigations carried out; presents results of several experiments and some conclusions which have been reached.

Utashiro, S., M. Ishijima & 10-10556 M
Y. Otsu (1964)
Hydrogr.Bull., Tokyo, (78):18-26
(Magnetic surveys at the sea around the Sagami Wan and off the coast of Kannon Saki). Ni En

Discussion of magnetic anomalies detected, and discussion of an anomaly considered in relation with a ship sunken off the coast of Kannon Saki.

Favorite, F. (1964) 10-10557 M
J.oceanogr.Soc.Japan, 20(4):160-7
Drift bottle experiment in the northern North Pacific Ocean, 1962-1964

Results of experiment to determine whether recovery locations were related to the water structure at release locations, and to determine how far south bottles could be released and still be recovered on the North American coast.

Ewing, M. & E.M. Thorndike 10-10558 M
(1965)
Science, 147(3663):1291-4
Suspended matter in deep ocean water

Optical observations on nepheloid layers near the bottom of N.W. Atlantic are described.

Chow, T.J. & A.W. Mantyla (1965) 10-10559 M
Nature, Lond., 206(4982):383-5
Inorganic nutrient anions in deep ocean waters

Data on phosphate, silicate and nitrate for Atlantic, Indian and Pacific Oceans are reported.

ANON. (1965) 10-10560 M
Hydraul.Res.Sta.Notes, (8):
Discharge of effluent in coastal waters

In preparing schemes for disposal of sewage into sea there is need to assess safe distance from the coast at which effluent may be discharged without fear of buoyant fraction being swept ashore in harmful concentrations by winds or currents or tides. Problem of this nature arose recently at Tyneside, on north east coast of England.

Maximov, I.V. (1965) 10-10561 M
Dokl.Akad.Nauk SSSR, 161(2):347-50
Solnetshnyi polugodovoi priliv v okeane
(Solar semiannual tide in the ocean). Ru

ANON. (1964) 10-10562 M
Aust.Mar.Sci.Newslett., (7):12-8
The structure of the Indian Ocean

A brief review of the paper read by A.H. Cooper at the Symposium on I.I.O. Expedition.

Veronis, G. (1963) 10-10563 M
Tellus, 15(1):59-66
On inertially-controlled flow patterns in a β-plane ocean

Possible flow patterns in a rectangular, β-plane, ocean are generated by assuming that the ocean basin can be divided into an interior region in which the dynamical balance is of the Sverdrup type (1947) and a boundary region where the dynamical balance is governed by inertial forces.

Welander, P. (1963) 10-10564 M
Tellus, 15(1):67-71
On the generation of wind-streaks on the sea surface by action of surface film

It is difficult to explain the generation of wind streaks and the associated cellular motion in the sea by convective or shearing instability. It is suggested that the streaks are primarily caused by dynamic effects of an organic surface film.

Duty, R.L. (1963) 10-10565 M
Tellus, 15(1):72-4
A note on the propagation of tidal waves in a viscous fluid in a rotating system

The results presented in this note are an extension of classical results on tidal wave propagation.

Ramaswamy, C. (1963) 10-10566 M
Curr.Sci., 32(3):95-100
Our present knowledge of the interaction between the atmosphere and the ocean

Summarises a few recent contributions relating to energy exchange and mechanical interaction.

Reid, J.L. Jr. (1963) 10-10567 M
Limnol.& Oceanogr., 8(3):366
Equatorial waters and currents at 150 deg. W in July-August 1952

Re 9-04061.

Cochrane, J.D. (1963) 10-10568 M
Limnol.& Oceanogr., 8(3):366-7
Oceanographic observations of the Pacific: 1955, the NORPAC atlas prepared by the NORPAC committee

Re 8-08030.

Popovici, Z. (1963) 10-10569 M
In 10-12332:7-34
La oceanografía al servicio de la pesca en el Perú
(Oceanography at the service of fisheries in Peru)

Fomin, L.M. (1964)C 10-10570 M
London, Elsevier Publishing Company, 212 p.
The dynamic method in oceanography

Gives introductory remarks on the method of dynamic calculation of ocean currents. The main purpose of this book is to give a correct interpretation of the method, to examine the most important aspects of its application and to correct any inaccuracies that may still be encountered in literature on the subject.

Sirotov, K.M. (1961) 10-10571 M
Biull.okeanogr.Kom.,Moskva, (8):90-3
O sravnimosti nabliudenii nad volneniem
(The comparability of observations of wave disturbance)

Serlapov, S.T. (1961) 10-10572 M
Problemy Arkt., 8:90-1
Opyt podlednykh rabot pri issledovaniiakh Tsentral'noi Arktiki
(Experience of work below the ice during investigations of the Central Arctic)

Gudkovich, Z.M. & A.Ia. Nikolaeva (1961) 10-10573 M
Problemy Arkt., 8:11-7
Nekotorye rezul'taty izucheniia dreifa l'dov s pomoshch'iu dreifuiushchikh radiovekh
(Some results obtained by using drifting radio marks to study ice drifts)

Gushchenkov, E.M. (1961) 10-10574 M
Problemy Arkt., 7:39-44
Vliianie sinopticheskikh uslovii na postuplenie barentsevomorskoi i materikovoi vody v Karskoe more
(Influence on synoptic conditions on the supply of water from the Barents Sea and continental water to the Kara Sea)

Boronin, Iu.P. (1961) 10-10575 M
Problemy Arkt., 8:29-36
Vliianie nachal'nogo teplozapasa l'da na nekotorye posleduiushchie protsessy
(Influence of the initial heat reserve of ice on certain subsequent processes)

Kagan, B.A. (1961) 10-10576 M
Problemy Arkt., 8:78-84
Turbulentnyi teploobmen poverkhnosti moria s atmosferoi i zatraty tepla na isparenie v arkticheskikh moriakh
(Turbulent heat exchange between the sea surface and the atmosphere and loss of heat by evaporation in Arctic seas)

Klimovich, V.M. (1961) 10-10577 M
Problemy Arkt., 8:63
Parametr sherokhovatosti i koeffitsient turbulentnosti nad vodnoi poverkhnost'iu bukhty Dikson
(Parameter of roughness and coefficient of turbulence above the water surface in Dixon Bay)

Maksimov, I.V. (1961) 10-10578 M
Problemy Arkt., 8:47-52
Front antarkticheskoi konvergentsii i mnogoletnie izmeneniia severnoi granitsy rasprostraneniia aisbergov v Iuzhnom okeane
(The Antarctic convergence front and perennial changes in the northern boundary of iceberg dispersal in the Antarctic Ocean)

Mustafin, N.V. (1961) 10-10579 M
Problemy Arkt., 7:33-8
O katastroficheskikh nagonakh v iugo-vostochnoi chasti moria Laptevykh
(Disastrous storm surge in the south-eastern part of the Laptev Sea)

Nazintsev, Iu.L. (1961) 10-10580 M
Problemy Arkt., 8:37-45
Teploperedacha cherez ledianoi pokrov v Tsentral'noi Arktike
(Heat transfer through the ice in the Central Arctic)

Panov, V.V. (1961) 10-10581 M
Problemy Arkt., 8:75-7
Rol' atlanticheskikh vod v gidrologicheskom i ledovom rezhime arkticheskikh morei, na primere Karskogo moria
(The role of Atlantic waters in the hydrological and ice regime of the Arctic seas, taking the Kara Sea as an example)

Sysoev, N.N. (1961) 10-10582 M
Biull.okeanogr.Kom.,Moskva, 8:81-3
O "metode razlichiia" izmereniia techenii v okeane
(The "difference method" for oceanic current measurements)

Tarasov, N.I. & I.I. Gittel'zon (1961) 10-10583 M
Biull.okeanogr.Kom.,Moskva, 8:75-80
Kompleksnye issledovaniia secheniia moria v nauchnoi ekspeditsii
(Multi-purpose investigations of the marine profile on a scientific expedition)

Gershanovich, D.E. (1961) 10-10584 M
Biull.okeanogr.Kom.,Moskva, 8:46-8
Morskie geologicheskie issledovaniia v rybopromyslovykh raionakh Beringova moria
(Marine geological research in the fisheries areas of the Bering Sea)

Klenova, M.V. & V.M. L'vov (1961) 10-10585 M
Biull.okeanogr.Kom.,Moskva, 8:38-45
Raboty po geologii moria v Atlanticheskom okeane
(Marine geological research in the Atlantic)

Chaplygin, E.I. (1961) 10-10586 M
Problemy Arkt., 8:19-28
O teplovoi napriazhennosti techenii Karskogo moria
(The thermal intensity of currents in the Kara Sea)

Shesterikov, N.P. (1961) 10-10587 M
Problemy Arkt., 7:5-10
Uproshchennyi sposob rascheta teplozapasa vod v more Laptevykh
(A simplified method of calculating heat reserve in the waters of the Laptev Sea)

Chikovskii, S.S. (1961) 10-10588 M
Problemy Arkt., 8:93-6
O vliianii temperatury morskogo l'da na ego prochnost'
(The effect of the temperature of sea ice on its stability)

Tarasov, B.V. (1961) 10-10589 M
Problemy Arkt., 8:89-90
Novoe v rel'efe dna Severnogo Ledovitogo okeana
(New information on the bottom relief of the Arctic Ocean)

Koshechkin, B.I. & N.N. Iaroslavskaia (1961)C 10-10590 M
In Ispol'zovanie aerometodov pri issled. priorodnykh resursov, 184-9
Spektral'naia otrazhatel'naia sposobnost' osnovnykh tipov sovremennykh otlozhenii povodnogo sklona Chernogo moria u beregov Severo-Zapadnogo Kavkaza
(Spectral reflectivity of the principal types of contemporary deposit on the Black Sea submarine slope and the north-west Caucasian coast)

Koshechkin, B.I. (1961)C 10-10591 M
In Ispol'zovanie aerometodov pri issled. prirodnykh resursov, 176-83
Fatsii sovremennykh otlozhenii podvodnogo sklona Tamanskogo poluostrova
(Contemporary facies of the submarine slope of the Taman' peninsula)

Cherkasov, I.A. (1961)C 10-10592 M
In Ispol'zovanie aerometodov pri issled. prirodnykh resursov, 138-49
Vliianie melkikh voln na tochnost' opredeleniia vysoty osnovnykh voln po aerosnimku blika
(The effect of small waves on the accuracy of determination of the height of the principal waves from aerial photographs of sun glitter)

Sharikov, Iu.D. & I.A. Cherkasov (1961)C 10-10593 M
In Ispol'zovanie aerometodov pri issled. prirodnykh resursov, 150-4
Izuchenie poverkhnostnykh morskikh techenii s pomoshch'iu donnogo indikatora
(The use of a bottom indicator tc study surface currents in the sea)

Ianutsh, D.A. (1961)C 10-10594 M
In Ispol'zovanie aerometodov pri issled. prirodnykh resursov, 160-8
Ispol'zovanie spektrovizora pri opredelenii glubin morskikh melkovodii
(The use of a spectrum viewer when determining the depth of marine shallows)

Babkov, A.I. (1961)C 10-10595 M
In Ispol'zovanie aerometodov pri issled.
prirod.resursov, 155-9
Nekotorye osobennosti otrazhatel'noi
sposobnosti (al'bedo) poverkhnosti moria
(Some characteristics of the reflective
capacity (albedo) of the sea surface)

Eskin, L.I. & V.G. Ledenev 10-10596 M
(1961)
Inform.Biull.sov.antarkt.Exped., 1955-58,
26:26-30
Poverkhnostnye techeniia na rezreze
Iuzhnaia Afrika-Antarktida
(Surface currents in the section South
Africa-Antarctic)

Ledenev, V.G. (1961) 10-10597 M
Inform.Biull.sov.antarkt.Exped., 1955-58, 27:
18-24
K izucheniiu poverkhnostnykh techenii v
moriakh tikhookeanskogo sektora Antarktiki
(Towards the study of surface currents in
seas belonging to the Pacific Ocean sector of
Antarctica)

Glotov, V.P., P.A. Kolobaev & 10-10598 M
G.G. Neuimin (1961)
Akust.Zh., 7:421-7
Issledovanie rasseianiia zvuka puzyr'kami,
sozdavaemyim iskusstvennym vetrom v morskoi
vode, i statisticheskogo raspredeleniia razmerov puzyr'kov
(Investigation of sound scattering by bubbles
caused by artificial wind in sea water and
of the statistical size-distribution of the
bubble)

Bol'shakov, V.S. (1960) 10-10599 M
Uchen.Zap.odess.biol.Sta., 2:85-92
Absoliutnaia osveshchennost' v pribrezhnoi
zone severo-zapadnoi chasti Chernogo moria
vozle Odessy
(Absolute illumination in the near-shore
zone of the north-western part of the Black
Sea near Odessa). Uk Ru

Bark, L.S., P.P. Ganson & N.A. 10-10600 M
Meister (1961)C
Moskva, IOAN, 181 p.
Tablitsy skorosti zvuka v morskoi vode
(Tables of sound speed in sea water)

Strakhov, N.M. (1960)C 10-10601 M
Moskva, Akademiia Nauk SSSR, 2 vols. 212 and
574 p.
Osnovy teorii litogeneza
(Theoretical principles of lithogenesis)

Litvin, V.M. & V.D. Rvachev 10-10602 M
(1961)
Nauch.-tekh.Biull.PINRO, 2-3:39-41
Rel'ef dna i grunty promyslovykh raionov
Labradora i N'iufaundlenda
(Bottom relief and composition in the
Labrador and Newfoundland fishing grounds)

Okeanograficheskaia Komissia, 10-10603 M
Moskva (1961)
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Prognoz i rashchet fizicheskikh iavlenii
v okeane
(Forecasting calculation of physical
phenomena in the ocean)

Contains 10-10604, 10-10605, 10-10607 to
10-10623.

Krylov, Iu.M. (1961) 10-10604 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Sostoianie i perspektivy issledovanii
morskogo volneniia
(The investigation of wave disturbance -
present state and perspectives)

Duvanin, A.I. (1961) 10-10605 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Raschety periodicheskikh kolebanii urovnia
moria i techenii
(Calculation of periodic fluctuations of sea
level and currents)

ANON. (1961) 10-10606 M
Ryb.Prom.litov.SSR, 1(3):29
Sudovoi elektrotermometr dlia razvedki sel'di
tipa MVMU T-3
(The MVMU T-3 ship's electric thermometer for
herring location)

Gudkovich, Z.M. (1961) 10-10607 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Sviaz' dreifa l'dov v Arkticheskom basseine s ledovymi usloviiami v sovetskikh arkticheskikh moriakh
(The connection between ice drift in the Arctic basin and ice conditions in Soviet Arctic waters)

Gordienko, P.A. & A.A. Kirillov (1961) 10-10608 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Sostoianie prakticheskogo primeneniia dolgosrochnykh ledovykh prognozov na Severnom morskom puti i zadachi v sviazi s vvodom novoi tekhniki
(The present position in relation to practical use of long-term ice forecasts on the Northern Sea route and tasks connected with the introduction of new equipment)

Istoshin, Iu.V. (1961) 10-10609 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Postanovka sovremennykh okeanograficheskikh issledovanii
(Formulation of present research tasks in oceanography)

Vilenskii, Ia.G. & B.Kh. Glukhovskii (1961) 10-10610 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Raschet transformatsii elementov voln glubokogo moria v mekovodnykh zonakh s postepenno ubyvaiushchei glubinoi
(Calculation of the transformation of sea wave elements in shallow zones of gradually decreasing depth)

Sirotov, K.M. (1961) 10-10611 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Nekotorye osobennosti vetrovykh voln
(Some of the features of wind waves)

Sirotov, K.M. (1961) 10-10612 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Prognozy morskikh vetrovykh voln i lokal'nye zavisimosti
(Forecasts of wind waves and local conditions affecting them)

Rzheplinskii, G.V. (1961) 10-10613 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Opyt rascheta elementov voln v okeane
(Calculation of wave elements in the ocean)

Chaikovskaia, T.N. (1961) 10-10614 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Otrazhenie prilivnykh voln ot priamolineinykh beregov
(Reflection of tidal waves from straight coasts)

Voit, S.S. (1961) 10-10615 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Rasprostranenie dlinnykh voln iz oblastei prevyshennogo i ponizhennogo atmosfernogo davleniia s uchetom otkloniaiushchego deistviia sily Koriolisa
(Propagation of long waves from regions of increased and reduced atmospheric pressure with allowance for the deflecting effect of the Coriolis force)

Sekerzh-Zen'kovich, Ia.I. (1961) 10-10616 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
O nekotorykh zadachak gidrodinamicheskoi teorii voln konechnoi amplitudy
(Some problems in the hydrodynamic theory of waves of finite amplitude)

Galerkin, L.I. & V.A. Shagin (1961) 10-10617 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
O vychislenii sezonnogo i vekovogo khoda srednego urovnia moria
(Calculation of the seasonal and secular variation of mean sea level)

Boris, L.I. (1961) 10-10618 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Opyt rascheta prilivov v severnoi chasti Atlanticheskogo okeana
(Experience of tide calculations in the north Atlantic)

Grushevskii, M.S. (1961) 10-10619 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Laboratornye issledovaniia dinamiki
leningradskikh navodnenii
(Laboratory investigations of the dynamics
of Leningrad floods)

Stavrovskii, A.S. (1961) 10-10620 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
K teorii mikroseism vyzyvaemykh volnoi
tsunami, rasprostraniaiushcheisia pod uglom
k beregovoi cherte
(The theory of microseisms generated by a
Tsunami wave propagated at an angle to a
coastal feature)

Kan, S.I. (1961) 10-10621 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
O raschete i prognoze techenii v
Kerchenskom prolive
(The calculation and forecasting of
currents in the Kerch Strait)

Sheremetevskaia, O.I. (1961) 10-10622 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Raschet raspredeleniia temperatury vody i
opredelenie polozheniia kromki l'da v
osennii period na Severnom Kavkaze
(Calculation of water temperature
distribution and determination of the
autumn position of the ice edge in the
N. Caucasus)

Zhukov, L.A. (1961) 10-10623 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 2
Priblizhennyi raschet izmenenii temperatury
i solenosti deiatel'nogo sloia moria i ikh
vliianie na techeniia
(Approximate calculation of alteration of
temperature and salinity in the active
layer of the sea and their effect on currents)

Kovylin, V.M. (1961) 10-10624 M
Izv.Akad.Nauk SSSR(geol.), 11:16-25
Rezul'taty seismo-akusticheskikh issledovanii
v raione Iavanskogo glubokovodnogo zheloba
(Results of seismo-acoustic research in the
area of the Java deepwater trench)

Zhukov, V.F. (1961) 10-10625 M
Priroda, 11:113-4
Razrushenie berega Obskoi guby
(Coastal erosion in the Gulf of Ob)

Davankov, A.B., V.M. Laufer & 10-10626 M
A.V. Gordievskii (1961)
Priroda, 12:101-3
Kladovye Atlanticheskogo okeana (6-ia n.i.
ekspeditsiia MGI, avgust 1959 g. Reis za
redkimi, radioaktivnymi metallami
(The riches of the Atlantic: the 6th
Scientific Research Expedition of the
Marine Hydrophysical Institute, August
1959. A Cruise in search of trace metals
and radioactive metals)

Berenbeim, D.Ia. (1961) 10-10627 M
Trudy azov.-chernomorsk.nauchno-issled.Inst.
morsk.ryb.Khoz., 19:10-8
Rechnoi stok i solenost' severo-zapadnoi
chasti Chernogo moria
(River discharge and the salinity of the
north-western Black Sea)

Gololobov, Ia. K. (1961) 10-10628 M
Trudy azov.-chernomorsk.nauchno-issled.Inst.
morsk.ryb.Khoz., 19:19-35
Nekotorye cherty gidrokhimicheskogo rezhima
troficheskogo sloia Chernogo moria
(Some features of the hydrochemical regime of
the Black Sea trophic layer)

Almazov, A.M. & A.D. Grinberg 10-10629 M
(1960)
Uchen.Zap.odess.biol.Sta., 2:55-67
Vliianie rechnogo stoka na solenost' i
sootnoshenie kontsentratsii ionov v vode
severo-zapadnoi chasti Chernogo moria
(The effect of river discharge on salinity
and ion concentration ratio in the north-
western Black Sea). Uk Ru

Panov, D.G. (1961)C 10-10630 M
Moskva, Geografgiz, 184 p.
Proiskhozhdenie materikov i okeanov
(The origin of the continents and oceans)

Veselova, L.E. & V.V. Pokudov 10-10631 M
(1961)
Trudy dal'nevost.nauchno-issled.gidromet.Inst., 12:18-37
O vertikal'nom raspredelenii i sutochnoi izmenchivosti gidrologicheskikh elementov v tsentral'noi chasti Tikhogo okeana zimoi 1960
(Vertical distribution and diurnal variability of hydrological factors in the middle of the Pacific Ocean in winter 1960)

Ikonnikova, L.N. (1961) 10-10632 M
Trudy dal'nevost.nauchno-issled.gidromet.Inst., 12:3-17
Tsunami na Dal'nem Vostoke
(Tsunami in the Far East)

Stoliarova, G.A. (1961) 10-10633 M
Trudy dal'nevost.nauchno-issled.gidromet.Inst., 12:38-41
K fonovomu prognozu ledovistosti Tatarskogo proliva
(Basic long-range forecasting of the ice cover of the Tatar Strait)

Toporkov, L.G. (1961) 10-10634 M
Priroda, 11:93-7
Mozhno li unichtozhit' ledovyi pokrov Severnogo Ledovitogo okeana
(Can the ice cover of the Arctic Ocean be destroyed?)

Shishkina, O.V. (1961) 10-10635 M
Okeanologiia, 1:646-50
Nekotorye dannye o solevom sostave ilovykh vod Azovskogo moria
(Some data on the salt composition of the muddy waters of the Sea of Azov)

Ivanenkov, V.N. & A.G. Rozanov 10-10636 M
(1961)
Okeanologiia, 1:443-9
Serovodorodnoe zarazhenie promezhutochnykh sloev Araviiskogo moria i Bengal'skogo zaliva
(Hydrogen sulphide contamination of the intermediate layers of the Arabian Sea and the Bengal Straits)

Shuliak, B.A. (1961) 10-10637 M
Okeanologiia, 1:871-85
Periodicheskie donnye struktury volnovogo potoka
(Periodic bottom structures of the wave current)

Shishkov, N.D. (1961) 10-10638 M
Okeanologiia, 1:915-9
Metod postroeniia krivoi raspredeleniia intensivnosti vdol'beregovogo peremeshcheniia peschanykh nanosov
(A method of constructing a distribution curve of the rate of lateral displacement of sand along the coast)

Udintsev, G.B. (1961) 10-10639 M
Okeanologiia, 1:456-65
Rel'ef i tektonika dna dal'nevostochnykh morei i smezhnykh raionov Tikhogo okeana
(Bottom relief and tectonics of the Far Eastern seas and adjacent areas of the Pacific)

Sysoev, N.N. (1961) 10-10640 M
Okeanologiia, 1:886-7
Geotermicheskie izmereniia v osadkakh dna okeanov i morei
(Geothermal measurements in oceanic and marine bottom sediments)

Slomianko, P.I. (1961) 10-10641 M
Okeanologiia, 1:537-42
Opyt primeneniia liuminestsentnogo peska dlia izucheniia raboty bun na pol'skom poberezh'e Baltiki
(Experience of the use of luminescent sand to investigate the functioning of dike dams on the Polish Baltic coast)

Petelin, V.P. & I.A. Aleksina 10-10642 M
(1961)
Okeanologiia, 1:717-33
O vybore metoda vodnogo mekhanicheskogo analiza morskikh donnykh osadkov. Diskussiia
(Selection of a method for particle-size analysis of marine bottom sediments in water. Discussion)

Erimesco, P. (1963) 10-10643 M
Bull.Inst.Pêch.marit.,Maroc, (9-10):3-31
The expanding ocean floor. Fr

Discusses continental drift, the relativistic interpretation of the expanding ocean floor, the convection currents in the earth's mantle and tidal effects.

Sloss, L.L. (1963) 10-10644 M
Geotimes, 8(1):11-3
Mohole project: Scientific exploration or engineering breakthrough?

A programme of research in the geology and geophysics of the deeper layers of the earth by drilling in the ocean floor.

Carruthers, J.N. (1963) 10-10645 M
J.Inst.Navig., 16:180-8
Some oceanography from the past

Historical sketch of ocean study in the past.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(413).

Cartwright, D.E. & J. Crease 10-10646 M
(1963)
Proc.roy.Soc.(A), 273:558-80
A comparison of the geodetic reference levels of England and France by means of the sea surface

Analysis is made of the differences in mean sea level across the British Channel due to the dynamics of water movement and applied to a 723-day period of tidal and other data recorded between Ramsgate and Dunkirk during 1957 and 1958.
Issued also as: Coll.Repr.nat.Inst.Oceanogr. 11(417).

Crease, J. (1963) 10-10647 M
In 10-10149:129-38
Internal waves

Review of the knowledge of internal wave in the ocean, especially in relation to underwater acoustics.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(425).

Darbyshire, M. & L. Draper (1963) 10-10648 M
Engineering,Lond., 195:482-4
Forecasting wind-generated sea waves

Gives wave-forecasting technique in graphic form. The graphs permit easy forecasting parameters required in engineering design.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(434).

Deacon, G.E.R. (1963) 10-10649 M
J.Inst.Navig., 16:1-8
The value of research to navigation

Some introductory remarks on wave, tide, ocean current, turbidity currents etc.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(437).

Draper, L. (1963) 10-10650 M
Proc.Instn civ.Engrs, 26:291-304
Derivation of a "design wave" from instrumental records of sea waves

Gives simplified description for the calculation of wave height and period. Considers relative merits of the various types of wave measurement.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(439).

Ishiguro, S. (1962) 10-10651 M
In Proceedings of the symposium on mathematical-hydrodynamical methods of physical oceanography, September 1961, Hamburg, Institut für Meereskunde der Universität, pp. 265-9
An electronic analogue method for tides and storm surges, and some applications to the North Sea

Summary of analogue method for investigating long wave phenomena is shown theoretically with block diagram.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(445).

Longuet-Higgins, M.S. (1963) 10-10652 M
J.Fluid Mech., 16:138-59
The generation of capillary waves by steep gravity waves

Theoretical study on the non-linear transfer of energy from gravity waves on water to capillary waves.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(452).

Stride, A.H. (1963) 10-10653 M
Quart.J.geol.Soc.Lond., 119:175-99
Current-swept sea floors near the southern half of Great Britain

The character of the superficial sediments is interpreted in terms of sedimentation processes and it is argued that these are controlled by the strong tidal currents. Regions of deposition and their supply paths are indicated and it is shown that only one sand stream is heading for the deep sea floor.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(458).

Gramatzki, K. (1964) 10-10654 M
Askania-Warte, 21(64):17-20
Neuerliche Verbesserungen am Askania-Seegravimeter
(Recent improvements in the Askania Sea gravimeter)

IA 20(3):1409.

Tucker, M.J. et al. (1962) 10-10655 M
J.Sci.Instrum., 39:646-7
A stable two-transistor oscillator for displacement measurements

Description of the stability of this oscillator for parallel-place capacitor system.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(462).

Tucker, M.J. (1963) 10-10656 M
Proc.Instn civ.Engrs, 26:305-16
Analysis of records of sea waves

Gives method for calculation of most probable height of wave from the observed record. Also gives method for estimation of the maximum wave which might be expected over a length of time such as 100 years or more.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(463).

Tucker, M.J. & A.R. Stubbs (1963) 10-10657 M
In 10-10658:301-19
Underwater acoustics as a tool in oceanography

General introduction to the utilization of sound impulse for the study of underwater phenomena.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(466).

Conference on ocean wave spectra, Easton, Maryland, 1961 (1963) 10-10658 M
New Jersey, Prentice-Hall, 357 p.
Ocean wave spectra; proceedings of a conference

Contains 10-10657, 10-10659 to 10-10663.

Darbyshire, J. (1963) 10-10659 M
In 10-10658:27-39
The one-dimensional wave spectrum in the Atlantic Ocean and in coastal waters

Results of analysis of 110 wave records taken by the O.W.S. Weather Explorer.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(431).

Darbyshire, M. (1963) 10-10660 M
In 10-10658:285-91
Wave measurements made by the National Institute of Oceanography

Statistical study of waves measured instrumentally in the North Atlantic Ocean.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(433).

Deacon, G.E.R. (1963) 10-10661 M
In 10-10658:3-6
Present status of wave research

Some introductory remarks on wave, tide, ocean currents, turbidity currents etc.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(438).

Longuet-Higgins, M.S., D.E. Cartwright & N.D. Smith (1963) 10-10662 M
In 10-10658:111-36
Observations of the directional spectrum of sea waves using the motions of a floating buoy

The vertical acceleration of a floating buoy, and the two angles of pitching and rolling, can be used to determine the first five Fourier coefficients of the angular distribution of energy in each band of frequency. Five complete records were analysed, corresponding to local wind speeds that ranged from 8 to 23 knots.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(454).

Tucker, M.J. (1963) 10-10663 M
In 10-10658:219-26
Recent measurement and analysis techniques developed at the National Institute of Oceanography

General information on the wave research carried out by NIO.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(465).

Ishiguro, S. (1963) 10-10664 M
In 10-13665:352-3
Tidal analogues

Summary of an electronic analogue method of investigating long wave phenomena is shown theoretically with block diagram.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(446).

Campbell, W.J. (1964) 10-10665 M
Seattle, University of Washington, 214 p.
On the steady-state flow of sea ice

Van Andel, T.H. et al. (1965) 10-10666 M
Science, 148(3674):1214-6
Morphology and sediments of a portion of the Mid-Atlantic Ridge

Devereux, R. et al. (1963)B 10-10667 M
U.S. Navy, Office of Naval Research
Development of a telemetering oceanographic buoy. Progress report

Buoy hull model tests; Radiation patterns from tilted antennas; electric power system test at sea; instrumentation system study.

Johnston, R. (1964) 10-10668 M
Scot.Fish.Bull., (21):14-6
Some comments on marine pollution

Kramer, J.R. (1964) 10-10669 M
Science, 146(3644):637-8
Sea water: saturation with apatites and carbonates

Tranter, D.J. & B.S. Newell (1963) 10-10670 M
Deep-Sea Res., 10(1/2):1-9
Enrichment experiments in the Indian Ocean

Enrichment experiments were carried out at 12 stations in the eastern Indian Ocean. Samples from these stations showed a significant increase in CO_2 uptake over unenriched controls, when enriched with iron, or iron together with phosphate, but not when enriched with nitrate or phosphate alone.

Katz, E.J. (1963) 10-10671 M
Deep-Sea Res., 10(1/2):11-6
A statistical model of the oceans' variable depth

Pratt, R.M. (1963) 10-10672 M
Deep-Sea Res., 10(1/2):17-25
Great Meteor Seamount

Great Meteor Seamount (30.00N. latitude, 28.30W. longitude) has been surveyed on two recent cruises of the Woods Hole Oceanographic Institution.

Shishkina, O.V. (1963)A 10-10673 M
Deep-Sea Res., 10(1/2):37-40
Some data on the salt composition of the interstitial water of the Azov Sea

Stepanov, I.A. (1963)A 10-10674 M
Deep-Sea Res., 10(1/2):41-4
Wave energy balance for a limited region of sea

Petelin, V.P. & I.A. Aleksina (1963)A 10-10675 M
Deep-Sea Res., 10(1/2):45-56
The choice of an aqueous mechanical method in analysing bottom sediments

Zaitsev, G.N. (1963)A 10-10676 M
Deep-Sea Res., 10(1/2):57-8
The exchange of water between the Arctic Basin and the Pacific and Atlantic Oceans

CR 8-01114.

Sokolov, O.A. (1963) 10-10677 M
Deep-Sea Res., 10(1/2):70-2
Visual underwater observations on the fifth voyage of the submarine SEVERYANKA

Cruise made in the Motovskii Zaliv and the inshore region of the Bering Sea.

Mamayev, O.I. (1963) 10-10678 M
Deep-Sea Res., 10(1/2):73-6
Oceanographic atlas of the Atlantic Ocean

The atlas contains profiles showing temperature distribution and salinity in the Atlantic, tables of data from hydrological stations, and bathythermograms reproduced on a small scale.

Paramonov, A.N. (1963)A 10-10679 M
Deep-Sea Res., 10(1/2):77-81
The use of the principles of discrete counting for the transmission of data from deep-sea measurements

Olchi-Oglu, N.I. (1963)A 10-10680 M
Deep-Sea Res., 10(1/2):87-91
A description of some foreign research vessels and their equipment

Sasaki, T. et al. (1964) 10-10681 M
J.oceanogr.Soc.Japan, 20(4):179-84
(Studies on the container for disposing radioactive wastes into the sea. 3. Experiments of throwing mortar containers into the sea. (1)). Ni En

Investigation of disposal methods; calculation of terminal velocity by echo-sounder; calculation of crack and shock load of containers.
Co 10-12840.

USFWS. Bureau of Commercial Fisheries (1964) 10-10682 M
News Notes sci.Activ.U.S.Bur.comm.Fish., November 1964:2 p., mimeo

Note on work of TOWNSEND CROMWELL in a pilot study to evaluate the sampling and processing techniques to be used in a proposed time-sequence study of the oceanography of the trade winds zone of the central Pacific Ocean.

Day, C.G. (1963) 10-10683 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (406):59 p.
Oceanographic observations, 1960 east coast of the United States

Daily water temperature and salinity observations for 1960 from eighteen locations along the Atlantic seaboard are tabulated, plotted and discussed for the fifth consecutive year.

Webster, F. (1965) 10-10684 M
Tellus, 17(2):239-45.
Measurements of eddy fluxes of momentum in the surface layer of the Gulf Stream

The action of eddies in the Florida Current produces a surface flux of momentum towards higher mean velocities. The results from four locations along the length of the Florida Current are compared. The kinetic energy transfer between fluctuations and mean flow is found to be similar in magnitude at all locations. The flow of kinetic energy to the mean flow is sufficient to maintain the current against the dissipative actions of lateral eddy processes.

Johnson, J.H., G.A. Flittner & M.W. Cline (1965) 10-10685 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (503):74 p.
Automatic data processing program for marine synoptic radio weather reports

From various data of weather elements, the problem of energy exchange at the sea surface of the Pacific Ocean was studied. To do so, the authors adopted the automatic data processing systems. Many graphs are included, such as surface sea temperature, cloud cover, wind speed, dew point temperature, barometric pressure, incoming reflect, and back radiations, evaporation, total energy exchange.

Vaux, D. (1965)A 10-10686 M
Fish.Invest.,Lond.(2), 23(8):154 p.
Current measuring by towed electrodes; observations in the Arctic and North Seas, 1953-59

Kudriavtsev, N.F. (1961) 10-10687 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
Voprosy povysheniia tochnosti izmereniia napravleniia morskikh techenii
(Problems entailed in improving accuracy in measuring the direction of sea current)

Langeraar, Ir.W. (1963) 10-10688 M
Int.hydrogr.Rev., 40(2):11-4
Uniformity in charts and hydrographic documents

Considers the general lay-out of charts and documents; the use of symbols; and the use of abbreviations.

Fagerholm, P.O. (1963)A 10-10689 M
Int.hydrogr.Rev., 40(2):21-9
The Swedish marker buoy system

Dos Santos Franco, A. (1963) 10-10690 M
Int.hydrogr.Rev., 40(2):69-97
Harmonic analysis of the tide by the semi-graphic method

A detailed study of the method using a more general mathematical procedure.

Alexiou, A.G. (1963) 10-10691 M
Int.hydrogr.Rev., 40(2):99-117
Conducting underwater surveys with a multi-purpose instrument

For rapid and accurate data collection at sea during routine surveys, the U.S. Naval Oceanographic Office has developed a sound-velocity-depth-temperature recording system having an operation range of 0 to 9000 ft of depth.

Karwowski, J. (1963)A 10-10692 M
Int.hydrogr.Rev., 40(2):119-23
Measurement of sea currents by means of drift bottles

Jordaan, J.M. Jr. (1963) 10-10693 M
Int.hydrogr.Rev., 40(2):125-40
Experience with recording of storm waves, swell and tide using an inverted echo-sounder off Durban (South Africa)

Describes the principle of continuous echo-sounding and recording of the undulating sea surface from fixed point, by means of an acoustical pulse-transmitter-and-receiver situated on the sea floor on the continental shelf. The sounder is connected by submarine cable to the shore-based receiver.

ANON. (1965) 10-10694 M
Discovery, 26(5):6
Marine bubbles and food

Unsuspected supply of food for marine life found by three American marine scientists, Drs. W.H. Sutcliffe, E.R. Baylor and Professor G. Riley. This link in the marine food chain is a 'population' of non-living organic and inorganic particles constantly being created on air bubbles in the sea.

Stearns, F. (1964) 10-10695 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (491):1 p.
Monthly sea-surface temperature anomaly graphs for Atlantic coast stations

Sea surface temperature anomalies were graphed at 27 stations located between Maine & Florida. Mean value was taken from the record of the ten years 1950-59. Graph indicated clearly the recent increase of sea surface temperature.

Barkley, R.A., B.M. Ito & R.P. Brown (1964) 10-10696 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (492):31 p.
Releases and recoveries of drift bottles and cards in the central Pacific

An analysis of the returns of drift bottles from the Hawaiian Islands shows that there is a seasonal change in the direction and speed of the current system near the islands which coincides with changes in strength of the trade wind system.

Martin, B.D. (1964)C 10-10697 M
Thesis, University of Southern California, 273 p.
Monterey submarine canyon, California: genesis and relationship to continental geology

DA 25(9)5213.

Vaux, D. (1962) 10-10698 M
In 10-10221:69-72
Oceanography and fisheries

Discussion of the contribution that fisheries oceanography can make to programmes of research on populations of marine fish.

Soyer, J. (1963)A 10-10699 M
Vie et Milieu, 14(1):1-36
Contribution à l'étude des effets biologiques du mercure et de l'argent dans l'eau de mer
(Contribution to the study of the biological effects of mercury and silver in sea water)

Lagarde, E. (1963) 10-10700 M
Vie et Milieu, 14(1):37-54
Métabolisme de l'azote minéral en milieu marin
(Metabolism of the mineral nitrogen in the marine environment)

Ammonification, nitrification, denitrification and reduction of nitrates, nitrogen fixation.

Hicks, S.D. (1963) 10-10701 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (457):30 p.
Physical oceanographic studies of Narragansett Bay 1957 and 1958

Seasonal distribution patterns of temperature, salinity, dissolved oxygen, and total phosphorus for 1957 are presented and summarized in tables.

Zore-Armanda, M. (1963) 10-10702 M
Acta adriatica, 10(3):88 p.
Les masses d'eau de la Mer Adriatique
(The water-masses of the Adriatic Sea)

Hela, I., E. Gilat & J.-C. Martin (1964) 10-10703 M
Bull.Inst.océanogr.Monaco, 62(1306):20 p.
Study of an ecosystem in the coastal waters of the Ligurian Sea. 1. Hydrographic conditions. Fr Ru

Fedorov, A.F. (1964) 10-10704 M
Bull.Inst.océanogr.Monaco, 62(1304):11 p.
Mathematical formulas for concentration coefficient study of radioactive material to sea biota. Fr Ru

A brief description of some concentration factors for radioactive substances in aquatic organisms. Compares the numerical values for these factors as obtained with reference to thoroughly-studied plankton organisms.

Vaissière, R. (1964) 10-10705 M
Bull.Inst.océanogr.Monaco, 63(1310):12 p.
Contributions à l'étude bionomique de la Méditerranée occidentale (Côte du Var et des Alpes maritimes - côte occidentale de Corse). Fascicule 1: Généralités
(Contributions to the bionomic study of the western Mediterranean (Coast of Var and of the Maritime Alps - western coast of Corsica). Fascicule 1. General)

Fredj, G. (1964) 10-10706 M
Bull.Inst.océanogr.Monaco, 62(1311):55 p.
Contributions à l'étude bionomique de la Méditerranée occidentale (Côte du Var et des Alpes maritimes - côte occidentale de Corse) Fascicule 2. La région de Saint-Tropez: du cap Taillat au cap de Saint-Tropez (région A 1)
(Contributions to the bionomic study of the western Mediterranean (Coast of Var and Maritime Alps - western coast of Corsica) No. 2. The region of Saint-Tropez: from Cape Taillat to Cape Saint-Tropez (region A 1)). En De Ru

Cousteau, J.-Y. et al. (1964) 10-10707 M
Bull.Inst.océanogr.Monaco, 62(1309):17 p.
Mesure de l'absorption, dans l'eau de mer, de la lumière émise par une source artificielle, à diverses profondeurs, verticalement et horizontalement
(The measure of absorption in sea water of light produced by an artificial source in different depths, horizontally and vertically). En Ru

Skopintsev, B.A. & S.N. Timofeeva (1961) 10-10708 M
Gidrokhim.Mater., 32
Primenenie metoda sukhogo sozhzheniia, predlozhennogo L.I. Krylovoi k opredeleniiu organicheskogo ugleroda v morskikh vodakh
(The use of L.I. Krylova's method of dry combustion to determine organic carbon in sea water)

Mokievskaia, V.V. (1961) 10-10709 M
Okeanol.Issled., vol. 1961:50-61
Nekotorye gidrokhimicheskie cherty severnoi chasti Indiiskogo okeana
(Some hydrochemical features of the northern Indian Ocean). En

Neiman, V.G. (1961) 10-10710 M
Okeanol.Issled., vol. 1961:62-5
O prichinakh obrazovaniia minimuma
kisloroda v poverstnostnykh vodakh
Araviiskogo moria
(The factors producing an oxygen minimum
in the surface waters of the Arabian Sea).
En

Sviridova, T.V. (1961) 10-10711 M
In Tez.dokl. i soobshch.Nauchn.konf.
posviasch. 40-let. deiatel'nosti
Novorossiiskoi biol. st., 11-3
Nekotorye dannye po gidrokhimii
Novorossiiskoi bukhty
(Some data on the hydrochemistry of
Novorossiisk Bay)

Sysoev, N.N. (1961) 10-10712 M
Okeanologiia, 1:163-6
Vystavka "seminar po novoi okeanolo-
gicheskoi apparature (Chernoe more, 1960,
15-24 sentiabria)
(Exhibition: seminar on new oceanological
apparatus; Black Sea, 15-24 September
1960)

Ponsov, A.G. & N.B. Andreev 10-10713 M
(1961)
Trudy gos.okeanogr.Inst., 59:114-7
Malogabaritnaia magnitnai meshalka dlia
titrovaniia pri opredelenii khlornosti
morskoi vody
(A miniature magnetic stirrer for use in
titration when determining the chlorine
content of sea water)

Tsurikova, A.P. (1961) 10-10714 M
Trudy gos.okeanogr.Inst., 59:5-28
Nekotorye osobennosti osnovnogo ionnogo
sostava vod Azovskogo moria
(Some features of basic ionic composition
in the waters of the Azov Sea)

Chernovskaia, E.N. (1961) 10-10715 M
Trudy gos.okeanogr.Inst., 59:85-97
Nekotorye osobennosti raspredeleniia i
rezhima fosfatov v Baltiiskom more
(Some features of phosphate distribution
and regime in the Baltic Sea)

Shul'gina, E.F. (1961) 10-10716 M
Trudy gos.okeanogr.Inst., 59:29-57
Gidrokhimicheskaia kharakteristika
severozapadnogo raiona Chernogo moria po
nabliudeniiam v 1956-58 gg.
(A hydrochemical description of the north-
western Black Sea based on observations
in 1955-1958)

Antonov, V.S. (1961) 10-10717 M
Trudy arkt.antarkt.nauchno-issled.Inst., 213
Vliianie rechnogo stoka na zamerzanie
ust'ev rek i pribrezhnoi polosy moria
Laptevykh
(The effect of river discharge on the
freezing of river mouths and the coastal
strip of the Laptev Sea)

Glukhovskii, B.Kh. (1961) 10-10718 M
Met.i Gidrol., 11:22-30
Issledovanie zatukhaniia voln s
glubinoi na osnove korreliatsionnogo
analiza
(Investigation of wave damping with depth
on the basis of correlational analysis)

Nikiforov, E.G. (1961) 10-10719 M
Trudy arkt.antarkt nauchno.-issled.Inst.,
K teorii nestatsionarnykh vetrovykh
techenii v usloviiakh sil'no peresloennogo
moria
(Contribution to the theory of non-
stationary wind currents in a strongly
stratified sea)

Budtolaev, N.M. (1961) 10-10720 M
Priroda, Moskva, 6:77-81
Bar'er na puti kholoda. Izmenenie
klimata v raione proliva Nevel'skogo
(soediniaiushchii Okhotskoe i Iaponskoe
moria)
(A cold barrier: the change of climate
in the area of the Nevel'sk Strait
joining the Seas of Okhotsk and Japan)

Mironov, O.G. (1961) 10-10721 M
Dokl.Akad.Nauk SSSR, 138:686-7
K voprosu o radioaktivnosti nekotorykh
vysshikh vodoroslei v raione Feodosii
(Radioactivity of certain higher algae in
the Feodosiia area)

Nikiforov, E.G. (1961) 10-10722 M
Trudy arkt.antarkt.nauch.-issled.Inst.,
Ob opredelenii vida voln konechnoi amplitudy po zadannomu davleniiu na ikh poverkhnosti i nekotorye rezul'taty issledovaniia sviazei vetrovykh voln i techenii
(Determining finite-amplitude wave types from a given surface pressure, and some results of investigating the connexions between wind-caused waves and currents)

Aleksee, A.P., L.R. Shmarina & B.V. Istoshin (1961) 10-10723 M
Nauch.-tekh.Biull.PINRO, 2-3(16/17):45-6
Gidrologicheskie usloviia v Norvezhskom i Grenlandskom moriakh letom 1960 g.
(Hydrological conditions in the Norwegian and Greenland Seas in summer 1960)

Bogdanov, D.V. (1961) 10-10724 M
Okeanologiia, 1:941-4
Karta prirodnykh zon okeana
(Map of oceanic natural zones)

Sysoev, N.N. (1961) 10-10725 M
Trudy Inst.Okeanol., 47:22-8
Samopisets techenii "Okean"
(The "Okean" automatic current recorder)

Shekhvatov, B.V. (1961) 10-10726 M
Trudy Inst.Okeanol., 47:125-34
Konstruktsiia i kharakteristika elektrobatitermozondov tipa "EBTZ"
(Design and characteristics of the EBTZ electrical bathythermograph)

Isaeva, A.B. (1961) 10-10727 M
Trudy Inst.Okeanol., 47:159-81
Opredelenie malykh kolichestv vol'frama v prisutstvii bol'shikh kolichestv molibdena
(Determination of small amounts of tungsten in the presence of large amounts of molybdenum)

Bruevich, S.V. (1961) 10-10728 M
Trudy Inst.Okeanol., 47:188-98
O pol'zovanii izmeritel'noi posudoi pri khimiko-okeanograficheskikh issledovaniiakh
(The use of a measuring vessel in chemical investigation in oceanography)

Bruevich, S.V. (1961) 10-10729 M
Trudy Inst.Okeanol., 47:139-43
O sovremennykh osnovakh elektrometricheskogo i kolometricheskogo opredeleniia pH v morskikh vodakh
(Contemporary principles of electrometric and colorimetric determination of pH in sea water)

Bruevich, S.V. (1961) 10-10730 M
Trudy Inst.Okeanol., 47:144-9
Ob osnovnom solevom sostave okeanskoi vody i vychislenii solenosti po Knudsenu
(The main salt composition of ocean water and calculation of salinity by Knudsen's method)

Lyzlov, I.A. (1961) 10-10731 M
In 10-10917
Eksperimental'noe issledovanie beregoukrepitel'nykh podvodnykh volnolomov razlichnykh kostruktsii
(An experimental study of various types of submarine breakwater)

Shcherbakov, F.A. (1961) 10-10732 M
In 10-10917
K istorii razvitiia severnogo i zapadnogo poberezhii Azovskogo moria v sviazi s obrazovaniem pribrezhnykh morskikh rossypei
(The developmental history of the northern and western coasts of the Sea of Azov in relation to the formation of coastal marine placer deposits)

Pavlidis, Iu.A. & V.L. Boldyrev (1961) 10-10733 M
In 10-10917
K voprosu o poslednikovom razvitii tsentral'nogo uchastka iuzhnogo poberezh'ia Baltiiskogo moria (v predelakh Pol'skoi Narod. Respubliki)
(A note on the post-glacial development of the central section of the southern Baltic coast within Polish territory)

Medvedev, V.S. (1961) 10-10734 M
In 10-10917
O roli nekotorykh nevol'nykh faktorov v dinamike beregov (na primere Iaponskogo moria)
(The role of certain factors other than factors of a wave nature in coastal dynamics, taking the Sea of Japan as an example)

Popov, B.A. (1961) 10-10735 M
In 10-10917
Formirovanie profilia podvodnogo sklona v usloviiakh umerennykh prilivov
(Formation of the profile of the submarine slope under conditions of moderate tides)

Zabelina, E.K. (1961) 10-10736 M
In 10-10917
Migratsiia prorvy r.Okhoty i vliianie ee na dinamiku berega
(Migration of the Okhota gap and its effect on coastal dynamics)

Budanov, V.I. & V.S. Medvedev (1961) 10-10737 M
In 10-10917
Mikroformy donnogo rel'efa beregovoi zony prilivnogo moria
(Local forms of bottom relief in the coastal zone of a tidal sea)

Popov, B.A. & M.G. Ratmanova (1961) 10-10738 M
In 10-10917
Nabliudeniia za refraktsii voln v prirodnykh usloviiakh
(Observations of wave refraction under natural conditions)

Pavlidis, Iu.A. (1961) 10-10739 M
In 10-10917
Nekotorye osobennosti poslelednikovoi transgressii Baltiiskogo moria i ee sviaz' s noveishei transgressiei drugikh morei
(Some features of the postglacial Baltic transgression in its relation to the recent transgression of other seas)

Ionin, A.S., P.A. Kaplin & V.S. Medvedev (1961) 10-10740 M
In 10-10917
Klassifikatsiia tipov beregov zemnogo shara (primenitel'no k kartam fiziko-geograficheskogo Atlasa mira)
(World classification of coastal types in relation to the maps of the large Soviet physical atlas (Atlas mira))

Kachugin, E.G. (1961) 10-10741 M
In 10-10917
Osnovnye rezul'taty dlitel'nykh nabliudenii za pererabotkoi beregov verkhnevolzhskikh i podmoskovnykh vodokhranilishch
(Principle results of prolonged observations of modification of the banks of the upper Volga and Moscow region reservoirs)

USSR. Akademiia Nauk. Institut Okeanologii (1961) 10-10742 M
Trudy Inst.Okeanol., 48:348 p.
Dinamika i morfologiia morskikh beregov
(Coastal dynamics and morphology)

Contains 10-10743 to 10-10759.

Ionin, A.S., P.A. Kaplin & V.S. Medvedev (1961) 10-10743 M
In 10-10742
Nekotorye rezul'taty regional'nykh issledovanii na poberezh'iakh morei Sovetskogo Soiuza
(Some results of regional investigations on Soviet sea coasts)

Leont'ev, O.K. (1961) 10-10744 M
In 10-10742
Istoriia formirovaniia poberezh'ia zaliva Kara-Bogaz-Gol
(The history of the formation of the Kara-Bogaz-Gol coast)

Boldyrev, V.L. (1961) 10-10745 M
In 10-10742
Istoriia razvitiia i sovremennaia dinamika kosy Chushka
(Developmental history and contemporary dynamics of the Chushka Spit)

Nevesskii, E.N. (1961) 10-10746 M
In 10-10742
Nekotorye dannye o poslelednikovoi evoliutsii akvatorii Karkinitskogo zaliva i nakopleniia v nem donnykh osadkov
(Some data on the post-glacial evolution of Karkinit Bay and the accumulation of bottom sediments in it)

Pavlidis, Iu.A. (1961) 10-10747 M
In 10-10742
Noveishaia istoriia razvitiia Temriukskogo poberezh'ia Azovskogo moria
(The recent developmental history of the Temriuk coast of the Sea of Azov)

Shcherbakov, F.A. (1961) 10-10748 M
In 10-10742
Nekotorye dannye o poslednikovoi transgressii Beringova moria
(Some data on the post-glacial transgression of the Bering Sea)

Medvedev, V.S., Iu.S. Dolotov & F.A. Shcherbakov (1961) 10-10749 M
In 10-10742
Nekotorye cherty stroeniia i razvitiia beregov Iuzhnogo Primor'ia
(Some features of coastal structure and development in the southern Primor'ie)

Vladimirov, A.T. (1961) 10-10750 M
In 10-10742
Morfologiia i evoliutsiia lagunnogo berega ostrova Sakhalina
(Morphology and evolution of the lagoon coast of the island of Sakhalin)

Dolotov, Iu.S. (1961) 10-10751 M
In 10-10742
Formirovanie i klassifikatsiia morskikh akkumuliativnykh terras na podnimaiuschikhsia poberezh'ia
(Formation and classification of marine accumulation terraces on coastlines of emergence)

Boldyrev, V.L. (1961) 10-10752 M
In 10-10742
Podvodnye peschanye valy kak indikatory vdol' beregovogo peremeshcheniia nanosov
(Submarine sand ridges as indicators of beach drifting)

Shuliak, B.A. (1961) 10-10753 M
In 10-10742
Nekotprye voprosy vzaimodeistviia volnovogo potoka s deformiruemym dnom pri malykh skorostiakh
(Some aspects of the interaction between the wave current and a deformed bottom at low current velocities)

Longinov, V.V. (1961) 10-10754 M
In 10-10742
O vozmozhnosti prognoza kratkovremennykh izmenenii rel'efa beregovoi zony moria volneniem
(The possibility of forecasting short-term modifications of sea coast relief by wave disturbance)

Longinov, V.V. (1961) 10-10755 M
In 10-10742
K opredeleniiu maksimal'nykh volnovykh skorostei v beregovoi zone moria
(Determination of maximum wave velocities in the coastal zone of the sea)

Popov, B.A. (1961) 10-10756 M
In 10-10742
Vliianie refraktsii voln na formirovanie profilia ravnovesiia podvodnogo sklona
(The effect of wave refraction on formation of the profile of equilibrium of the submarine slope)

Shadrin, I.F. (1961) 10-10757 M
In 10-10742
O vozmozhnosti prognoza vdol'beregovykh techenii na besprilivnykh moriakh
(The possible forecasting of feeder currents in nontidal seas)

C

Aibulatov, N.A. (1961) 10-10758 M
In 10-10742
K voprosu o roli eolovykh protsessov v dinamike otmelogó akkumuliativnogo berega
(A note on the role of aeolian processes in the dynamics of a shallow coast of accumulation)

Erofeev, P.N. (1961) 10-10759 M
In 10-10742
Opyt raboty s trubkoi dlia vziatiia grunta na khodu sudna
(Experience of work with a corer that operates while the vessel is in motion)

Tarasov, A.N. (1961) 10-10760 M
Trud.Inst.Okeanol., 47:3-14
K voprosu o koordinirovanii promernykh galsov i okeanograficheskikh razrezov
(The problem of co-ordinating the length of tack with the oceanographical section for measurement purposes)

Volkov, V.G. (1961) 10-10761 M
Trud.Inst.Okeanol., 49:92-8
Buksiruemyi batitermograf s odnoprovodnoi liniei sviazi
(A towed bathythermograph with a single-wire connecting line)

Glazunov, V.A. (1961) 10-10762 M
Trud.Inst.Okeanol., 47:29-36
Dreifuiushchii buikovyi volnograf
(A drifting wave-gauge buoy)

Kestner, A.P. (1961) 10-10763 M
Trud.Inst.Okeanol., 47:103-7
K voprosu ob osobennostiakh raboty termogidroanemometra v neustanovivshemsia potoke
(Peculiarities in the functioning of a thermohydroanemometer in conditions of unsteady flow)

Kozlianinov, M.V. (1961) 10-10764 M
Trud.Inst.Okeanol., 47:37-79
Rukovodstvo po gidroopticheskim izmereniiam v more
(Handbook on hydro-optical measurements at sea)

Kolesnikov, A.G., Z.S. Ivanova & S.G. Boguslavskii (1961) 10-10765 M
Okeanologiia, 1:592-9
O vliianii ustoichivosti na intensivnost' vertikal'nogo perenosa v Atlanticheskom okeane
(Influence of stability on the intensity of vertical transport in the Atlantic Ocean).

Pavlov, V.M. (1961) 10-10766 M
Trud.Inst.Okeanol., 47:80-91
Poliarizatsiia estestvennogo sveta v more
(Polarization of natural light in the sea)

Kol'man, O.V. (1961) 10-10767 M
Okeanologiia, 1:1103
Burenie dna Tikhogo okeana po'proektu Mokho'
(Drilling of the Pacific bed in the Mohole project)

Kovylin, V.M. (1961) 10-10768 M
Okeanologiia, 1:466-72
Rezul'taty seismo-akusticheskikh issledovanii k vostoku ot Afriki v raione ostrova Zanzibar i v tsentral'noi chasti Indiiskogo okeana
(Results of seismo-acoustic research to the east of Africa in the area of Zanzibar and the central Indian Ocean)

Kaplin, P.A. (1961) 10-10769
Okeanologiia, 1:1034-8
Vodolaznye issledovaniia vershin podvodnykh kan'onov
(Investigation of the heads of submarine canyons by diving)

Ionin, A.S. & F.A. Shcherbakov (1961) 10-10770
Okeanologiia, 1:866-70
Sloistost' pribrezhno-morskikh otlozhenii vostochnoi chasti Chernogo moria
(The stratification of coastal and marine deposits in the eastern Black Sea)

Grabovskii, N.A., R.Kh. Greku & A.P. Metal'nikov (1961) 10-10771 M
Okeanologiia, 1:860-5
Nekotorye geomorfologicheskie osobennosti rel'efa dna Atlanticheskogo okeana po tridtsatami meridianu ot Severnogo poliarnogo kruga do Iuzhnogo tropika
(Some geomorphological features of Atlantic bottom relief along the 30th meridian from the Arctic Circle to the southern tropics)

Sheremetevskaia, O.I. (1961) 10-10772 M
Okeanologiia, 1:835-6
K voprosu o teplovom balanse poverkhnosti okeana v antarkticheskikh vodakh
(A note on the heat balance of the ocean surface in Antarctic waters)

Chekotillo, K.A. (1961) 10-10773 M
Okeanologiia, 1:1007-19
Raschet vertikal'nykh dvizhenii vod v severozapadnoi chasti Tikhogo okeana
(Calculation of vertical movements of water in the north-western Pacific)

Stepanov, I.A. (1961) 10-10774 M
Okeanologiia, 1:638-41
Balans volnovoi energii dlia organichennogo raiona moria
(The wave energy balance for a restricted area of sea)

Strekalov, S.S. (1961) 10-10775 M
Okeanologiia, 1:439-42
K opredeleniiu analiticheskogo vida energeticheskogo spektra razvitogo volneniia
(Determination of the analytic form of energy spectrum of a developed wave disturbance)

Stepanov, V.N. (1961) 10-10776 M
Okeanologiia, 1:399-406
Godovoi khod temperatury vody na poverkhnosti Mirovogo okeana i gidrologicheskie sezony
(The annual temperature variation of surface water in seas and oceans and hydrological seasons)

Smetanina, N.S. (1961) 10-10777 M
Okeanologiia, 1:412-7
Teplosoderzhanie antarkticheskikh vod
(The heat content of Antarctic waters)

Semenchenko, I.V. & A.V. Snytkin 10-10778 M
(1961)
Okeanologiia, 1:856-9
Issledovanie spektral'noi iarkosti moria s samoleta
(Airborne investigation of the spectral brightness of the sea)

Rybnikov, A.A. (1961) 10-10779 M
Okeanologiia, 1:825-34
Temperatura poverkhnostnoi antarkticheskoi vody v raionakh kitoboinogo promysla Antarktike
(Surface water temperature in Antarctic whaling areas)

Rossov, V.V. (1961) 10-10780 M
Okeanologiia, 1:944-7
O vodom i teplovom balanse Norvezhskogo i Grenlandskogo morei
(The water and heat balance of the Norwegian and Greenland Seas)

Re 60-8963.

Rossov, V.V. (1961) 10-10781 M
Okeanologiia, 1:1104-7
K voprosu o prilivnoi izmenchivosti gidrologicheskogo rezhima. Diskussiia po povodu truda G.K. Izhevskogo - Okeanologicheskie osnovy formirovaniia promyslovoi produktivnosti morei. Moskva, Pishchepromizdat, 1960
(The tidal variability of the hydrological regime. Discussion on G.K. Izhevskii's book: The oceanological basis of formation of the commercial productivity of seas. Moscow, Pishchepromizdat, 1960)

Popov, B.A. (1961) 10-10782 M
Okeanologiia, 1:509-12
Utochennaia metodika opredeleniia srednei dliny volny pri pomoshchi beregovogo volnomera-perspektometra
(Improved procedure for the determination of mean wavelength with a coastal perspective-measuring ondometer)

Neuimin, G.G. & A.N. Paramonov 10-10783 M
(1961)
Okeanologiia, 1:904-10
Fotoelektricheskii fotometr dlia izmereniia podvodnoi osveshchennosti
(A photoelectric photometer for the measurement of submarine illumination)

Voit, S.S., D.A. Aksenov & M.M. Bogorodskii (1961) 10-10784 M
Okeanologiia, 1:613-25
Nekotorye osobennosti tsirkuliatsii vod Chernogo moria i rezhima Proiosforskogo raiona. (Po materialam 9-go reisa NIS "MIKHAIL LOMONOSOV", oktiabr', 1960g.)
(Some circulatory features of Black Sea waters and the regime of the Bosphorus area: from materials collected during the 9th cruise of the scientific research vessel "MIKHAIL LOMONOSOV", October, 1960)

Labzovskii, N.A. (1961) 10-10785 M
Okeanologiia, 1:504-9
Ob izuchenii vetrovykh voln
(Studying wind-caused waves)

Krutskikh, B.A. (1961) 10-10786 M
Okeanologiia, 1:642-5
Taianie l'da v rezul'tate teplovogo vozdeistviia vody
(Ice melting due to the thermal action of water)

Kropachev, L.N. & O.I. Shaitan (1961) 10-10787 M
Okeanologiia, 1:837-45
Nekotorye osobennosti kolebanii urovnia moria v Kerchenskom prolive
(Some characteristics of fluctuations of sea level in the Kerch Strait)

Koshliakov, M.N. (1961) 10-10788 M
Okeanologiia, 1:997-1002
Raschet glubinnoi tsirkuliatsii v okeane
(Calculation of deep circulation in the ocean)

Koshliakov, M.N. (1961) 10-10789 M
Okeanologiia, 1:805-14
Vertikal'naia tsirkuliatsiia vod v oblasti Kurosio
(Vertical circulation of water in the Japan Current area)

Kagan, B.A. & S.P. Rebenok (1961) 10-10790 M
Okeanologiia, 1:1003-6
O metode rascheta statsionarnykh techenii pri neustoichivoi stratifikatsii atmosfery
(Method of calculating standing currents in conditions of unstable atmospheric stratification)

Ivanov, Iu.A. (1961) 10-10791 M
Okeanologiia, 1:992-6
O faktorakh formiruiushchikh termicheskuiu stratifikatsiiu antarkticheskikh vod
(Factors forming the thermal stratification of Antarctic waters)

Zenkevich, L.A. (1961) 10-10792 M
Okeanologiia, 1:382-98
Problemy, sviazannye s izucheniem glubin okeana
(Problems connected with the study of the ocean depth)

Doronin, Iu.P. (1961) 10-10793 M
Okeanologiia, 1:846-50
Turbulentnyi teploobmen mezhdu vodoi i ledianym pokrovom v more
(Turbulent heat exchange between water and ice cover in the sea)

Galerkin, L.I. (1961) 10-10794 M
Okeanologiia, 1:1108-17
Problemy, sviazannye s izucheniem sezonnykh kolebanii urovnia Mirovogo okeana
(Problems connected with the study of seasonal fluctuations in the levels of seas and oceans)

Volokhonskii, L.G. (1961) 10-10795 M
Okeanologiia, 1:1085-8
Volnomodeliruiushchii stend
(A wave-modelling stand)

Volkov, P.A. (1961) 10-10796 M
Okeanologiia, 1:911-4
O koeffitsiente soprotivleniia kruglykh plastin v volnovom potoke zhidkosti
(The coefficient of resistance of circular plates in wave flow)

Volkov, P.A. (1961) 10-10797 M
Okeanologiia, 1:432-8
O znachenii maksimal'nykh donnykh skorostei v beregovoi zone pri volnenii
(The value of maximum bottom speeds in a shore zone during wave movement)

Vladimirtsev, Iu.A. (1961) 10-10798 M
Okeanologiia, 1:976-82
K voprosu ob izuchenii protsessov peremeshivaniia v Chernom more
(The problem of studying mixing processes in the Black Sea)

Vladimirov, O.A. (1961) 10-10799 M
Okeanologiia, 1:630-7
Raschet uvelicheniia ploshchadi moria pri volnenii
(Calculation of the increase of sea area accompanying wave movement)

Vaisfel'd, I.A. (1961) 10-10800 M
Okeanologiia, 1:888-92
K voprosu o modelirovanii volnovykh dvizhenii zhidkosti na malykh glubinakh
(On the problem of modelling wave movements in liquid shallow depths)

Bortkovskii, R.S. (1961) 10-10801 M
Okeanologiia, 1:512-21
K metodike raschetov elementov teplovogo balansa poverkhnosti okeanov. (V poriadke obsuzhdeniia)
(Towards a method of calculating components of ocean-surface heat balance: A contribution to discussion)

Bogdanova, A.K. (1961) 10-10802 M
Okeanologiia, 1:983-91
Raspredelenie sredizemnomorskikh vod v Chernom more
(Distribution of Mediterranean water in the Black Sea)

Bogdanov, K.T. (1961) 10-10803 M
Okeanologiia, 1:815-24
Tsirkuliatsiia vod v zalive Aliaska i ee sezonnaia dinamika
(Water circulation in the Gulf of Alaska and its seasonal dynamics)

Batalin, A.M. (1961) 10-10804 M
Okeanologiia, 1:961-75
Voprosy meandirovaniia Kurosio
(Problems of the meandering of the Japan Current)

Antonov, V.S. (1961) 10-10805 M
Okeanologiia, 1:418-25
Izmenchivost' skorosti dreifa l'dov v Severnom Ledovitom okeane
(Variability of ice drift velocity in the Arctic Ocean)

Tsurikov, V.L. (1961) 10-10806 M
Okeanologiia, 1:1082-4
Opyt probedeniia okeanograficheskikh rabot s vertoleta
(An experiment in performing oceanographical work from a helicopter)

Soskin, I.M. & E.N. Chernovskaia (1961) 10-10807 M
Okeanologiia, 1:426-31
Obshchaia kharakteristika izmenenii gidrologicheskikh i gidrokhimicheskikh uslovii Baltiiskogo moria za poslednee desiatiletie
(General account of variations in the hydrological and hydrochemical conditions of the Baltic Sea in recent decades)

Sirotov, K.M. (1961) 10-10808 M
Okeanologiia, 1:922-4
Izuchenie izmenchivosti rezhima okeana i atmosfery
(Studying the variability of conditions in the ocean and atmosphere)

Starikova, N.D. (1961) 10-10809 M
Dokl.Akad.Nauk SSSR, 140:1423-6
Organicheskoe veshchestvo v gruntovykh rastvorakh i raspredelenie ego v tolshche morskikh i okeanskikh osadkov
(Organic matter in groundwater solutions and its distribution in marine and oceanic sediments)

ANON. (M. Slessers, Transl.) (1964)C 10-10810 M
NOO Trans-174:64 p.
Data on ice conditions in the seas of the U.S.S.R.: The sea of Azov and the Black Sea

En Svedeniia o sostoianii l'dov na moriakh SSSR, Leningrad, 1926.
Available from U.S. Department of Commerce, Washington D.C.

Bezrukov, P.L. (Ed.)(N. Kaner, Transl.)(1964)C 10-10811 M
OTS TT-64-11020:192 p.
Geographical description of the Bering Sea bottom relief and sediments

En Bezrukov, P.L. (Ed.), 1959.
Available from U.S. Department of Commerce, Washington D.C.

Bogorodski, V.V. (1963)B 10-10812 M
Okeanologiia, 3(4):720-30
(Modern physical methods of measuring the thickness of sea ice). Ru

Bogorodski, V.V. (E.R. Hope, Transl.)(1964)C 10-10813 M
NRC C-5124:10 p.
Modern physical methods of measuring the thickness of sea ice

En 10-10812.
Available from National Research Council, Ottawa, Canada.

Maksimov, I.V. (1963)B 10-10814 M
Okeanologiia, 3(2):193-9
O kharaktere astronomicheskikh variatsii okeanskikh techenii
(Some features of the astronomical variations of ocean currents)

Maksimov, I.V. (1964)C 10-10815 M
RTS TT-65-60930:15 p.
Some features of the astronomical variations of ocean currents

En 10-10814.
Available from U.S. Department of Commerce, Washington D.C.

Bezrouk, P.L. (1964)B 10-10816 M
Trud.Inst.Okeanol., 64:182-201
(Sediments in the northern and central regions of the Indian Ocean). Ru

Bezrouk, P.L. (n.d.)C 10-10817 M
CFSTI TT-65-61439
Sediments in the northern and central regions of the Indian Ocean

En 10-10816.
Available from clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia.

Blinov, L.K. (n.d.)C 10-10818 M
SLA TT-65-11112:19 p.
The origin of the salt content of sea water

En Blinov, L.K., 1946.
Available from SLA Translation Centre, the John Crerar Library, Chicago, Ill.

Ivanov, U.A. (n.d.)C 10-10819 M
ETC TT-65-60692:3 p.
Concerning the seasonal variability of the Antarctic circumpolar current

En U.A. Ivanov, 1959.
Available from European Translations Centre, Delft, Netherlands.

Thompson, P.D. (1963) 10-10820 MG
WMO Bull., 12(1):2-6
An essay on the technical and economic aspects of the network problem

Concludes that it will be possible to estimate the accuracy of analysis and prediction attainable with any irregular network of stations, for any frequency of observation and for any standard error of observation. The economic aspects of this problem are of critical importance; however, as yet, no concerted effort has been made to solve them.

ANON. (1963) 10-10821 MG
WMO Bull., 12(1):11-13
Statistical analysis and prognosis in meteorology. Seminar in Paris

A seminar on statistical analysis and prognosis in meteorology held in Paris, France, from 8-20 October 1962, as part of the WMO technical assistance programme.

Bishev, L.L. (1961) 10-10822 MG
Trud.okeanogr.Inst., (59):118-21
Pribor dlia vziatiia vody na gazovyi analiz v melkovodnykh vodoemakh bez narusheniia stratifikatsii
(A gas analysis water sampler for taking water samples in shallow waters without disturbing stratification)

Buchanan, C.L. (1963) 10-10823 MG
Mar.Sci.Instrument., 2:157-61
Wide band transducers for sound velocimeters

Problems in measuring the underwater speed of sound are discussed.
IA 18(6)4133.

Azhazha, V.G. (1961) 10-10824 MG
Ryb.Prom.litov.SSR, 2(4):66-9
Termosolemer.-2
(The thermosalinometer.-2)

Bhattacharji, J.C. (1963)A 10-10825 MG
Int.hydrogr.Rev., 40(2):155-63
A method of simultaneous determination of
astronomical latitude, azimuth and time
from observations of an unknown star

Hess, H. (1963) 10-10826 MG
Dtsch.hydrogr.Z., 16(1):15-43
Aufbau und Theorie eines Gerätes zur
Messung der magnetischen Horizontalfeldstärke auf See mit der Förster-Sonde
(Structure and theory of a field intensity
meter after Förster for the measurement
of the horizontal magnetic field intensity
at sea)

Leenhardt, O. (1964)C 10-10827 MG
SLA TT-64-14285:17 p.
The state of seismic submarine research
1. Techniques for the reflection method

En Leenhardt, O., 1957.
Available from SLA Translations Centre,
Chicago, Illinois.

Waldichuk, M. (1962) 10-10828 MF
Canad.Fish Cult., (31):3-34
Some water pollution problems connected
with the disposal of pulp mill wastes

With specific reference to British Columbia,
describes properties of these wastes, compares
disposal in fresh and sea waters, discusses
prediction of dilution and dispersion and
chronic or long-term effects.

Lucht, F. (1963) 10-10829 MF
Arch.Hydrobiol.Suppl.:44 p.
Hydrographie des Elbe-Aestuars
(Hydrography of the Elbe estuary). En

Shahrabani, M. & H. Naor (1963)C 10-10830 MF
Tel Aviv, Tahal-Water Planning for Israel
Ltd., P.N.268: 10 p.
Devices for taking water samples continually
and from different depths

Illustrated descriptions of apparatus.
WPA 37(3)403.

USPHS (1963)C 10-10831 MF
Washington, USPHS, 74 p.
Studies of the fate of certain radionuclides
in estuarine and other aquatic environemnts.
Proceedings of a symposium held in Savannah,
Ga., to study various aspects of radiological
surveys of aquatic environments

WPA 37(3)534.

ANON. (1961) 10-10832 MF
Ryb.Promyshl.litov.SSR, (1-3):27-9
Elektronnyi termosolemer
(The electronic thermosalimeter)

Komissiia Okeanograficheskaia 10-10833 MF
(1961)
Trud.Kom.okeanogr., 8:254 p.
Morske berega
(Sea coasts)

Contains 10-10073, 10-10326 to 10-10336,
10-10366, 10-10834 to 10-10842, 10-10953 to
10-10958, 10-12027.

Bashirov, G.S. (1961) 10-10834 MF
Trud.Kom.okeanogr., 8
Sovmestnoe modelirovanie donnykh i
vzveshennykh nanosov
(Joint modelling of bottom and suspended
detritus)

Sivakov, I.K. (1961) 10-10835 MF
Trud.Kom.okeanogr., 8
Formirovanie volnami vneshnego kraia
beregovoi ormeli
(The formation of the outer edge of a coastal
shoal by wave action)

Longinov, V.V. (1961) 10-10836 MF
Trud.Kom.okeanogr., 8
Nekotorye dannye o rezhime priboinogo potoka
na peschanom pliazhe otmelogo berega
(Some data concerning the swash regime on
the sandy beach of a shallow-water coast)

Shadrin, I.F. (1961) 10-10837 MF
Trud.Kom.okeanogr., 8
Vdol'beregovye i kompensatsionnye techeniia
u otmelogo akkumuliativnogo berega
(Longshore and compensation currents on a
shallow-water accumulation coast)

Kestner, A.P. (1961) 10-10838 MF
Trud.Kom.okeanogr., 8
Induktsionnyi izmeritel' vektora gidrodinamicheskogo davleniia
(An induction device for measuring the vector of hydrodynamic pressure)

Shuliak, B.A. (1961) 10-10839 MF
Trud.Kom.okeanogr., 8
Metod preduprezhdeniia zanosimosti peskom i ilom morskikh i rechnykh gidrotekhnicheskikh sooruzhenii
(A method of preventing the sanding and silting of marine and river hydraulic engineering projects)

Orlova, G.A. (1961) 10-10840 MF
Trud.Kom.okeanogr., 8
Opyty po izucheniiu deformatsii razmyvaemykh otkosov i vdol' beregovogo peremeshcheniia peska
(Experience of investigation of the distortion of eroded beach slopes and displacement of sand along the shore)

Popov, I.Iu. (1961) 10-10841 MF
Trud.Kom.okeanogr., 8
Laboratornye issledovaniia meropriiatii po bor'be s zanosimost'iu vodnykh podkhodov k portu
(Laboratory investigations of measures for the control of silting in port approaches)

Boldyrev, V.L. (1961) 10-10842 MF
Trud.Kom.okeanogr., 8
Primenenie aerofotos"emki dlia izucheniia potokov peschanykh nanosov
(The use of aerial photography to study flows of sandy alluvium)

Maidens, A.L. (1963) 10-10843 MF
WMO Bull., 12(1):40-1
A new British precision aneroid barometer

Describes a new instrument adopted by the British Meteorological Office.

Garbell, M.A. (1963) 10-10844 MF
Sci.Amer., 209(2):94-100
The sea that spills into a desert

The Caspian empties into a shallow gulf, the high salinity of which gives rise to special geological and ecological phenomena at the Caspian.

McKee, J.E. & H.W. Wolf (1963)C 10-10845 MF
Sacramento, California, State Water Quality Control Board, (3-A):548 p.
Water quality criteria

Covers: General phenomena pertinent to water quality (mixing, dilution, natural purification, etc.); Criteria promulgated by various agencies; Judicial expression; Criteria for the beneficial uses of water (domestic, industrial, agricultural, and stock and wildlife supply and fisheries, fish culture, swimming, bathing, boating, esthetic enjoyment, water power, navigation); Radioactivity; Pesticides; Surface active agents. Has a list of 3827 references.
NE 1952, J.E. McKee & H.W. Wolf.

Marshall, N. & S. Rubinsky (1964)A 10-10846 MF
Ecology, 45(1):193-5
A microstratification water sampler

Alekin, O.A. & N.P. Moricheva (1961) 10-10847 MF
Gidrokhim.Mater., 31
Izmenenie nasyshchennosti karbonatum kal'tsiia rechnoi vody pri smeshenii ee s morskoi vodoi
(Alteration in the calcium carbonate saturation of river water as it mixes with sea water)

Datsko, V.G., I.A. Voncharova & G.P. Protsenko (1961) 10-10848 MF
Gidrokhim.Mater., 31
K izucheniiu organicheskikh veshchestv Volgi, Dona i Azovskogo moria
(Investigation of the organic matter of the Volga, the Don and the Sea of Azov)

Agapova, G.V. (1961) 10-10849 MF
Okeanologiia, 1:274-7
Geomorfologicheskaia karta dna Kaspiiskogo moria masshtaba 1:3 000 000
(1:3 000 000 geomorphological map of the bottom of the Caspian Sea)

Selivanov, M. (1961) 10-10850 MF
Morsk.Flot, (5):14-6
K izmereniiu glubin ekholotom
(Measuring depth with an echo-sounder)

Aleksandrov, V.P. (1961) 10-10851 MF
Trud.okeanogr.Inst., (64):103-11
K voprosu o formirovanii melkovodnykh prilivnykh voln
(The problem of shallow water tidal wave formation)

Zenin, V.A. (1961) 10-10852 MF
Trud.okeanogr.Inst., (61):66-115
Metod vodnogo nivelirovaniia
(A method of water levelling)

Karakash, E.S. (1961) 10-10853 MF
Trud.okeanogr.Inst., (61):142-52
O prognoze l'dov u zapadnykh beregov Srednego Kaspiia
(Forecasting ice on the west coasts of the central Caspian)

Arkhipova, E.G. & G.V. Rzheplinskii (1961) 10-10854 MF
Trud.okeanogr.Inst., (61):153-8
Prozrachnost' i tsvet vody v Apsheronskom raione Kaspiiskogo moria
(Tranlucence and colour of the water in the Apsheronskii area of the Caspian Sea)

Jenkins, D. & L.L. Medsker (1964) 10-10855 MF
Analyt.Chem., 36(3):610-3
Brucine method for the determination of nitrate in ocean, estuarine, and fresh waters

Ayers, R.A. & D.J. Cretzler (1963) 10-10856 MF
Mar.Sci.Instrument., 2:93-9
A resistance wire water level measurement system

For use on piers, etc., for measuring waves and tides.
IA 18(6)3892.

Ponsov, A.G. (1960)B 10-10857 MF
Trud.okeanogr.Inst., (49):189-97
(Conductivity as a characterising physico-chemical property of sea and river water, and a means of salinity determination). Ru

Ponsov, A.G. (1963) 10-10858 MF
M.5126
Conductivity as a characterising physico-chemical property of sea and river water, and a means of salinity determination

En 10-10857.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Shishkina, O.V. (1960)B 10-10859 MF
Trud.okeanogr.Kom.Akad.Nauk SSSR, 10(2):13-20
(Changes in the salt composition of mud-water during diagenesis). Ru

Shishkina, O.V. (1963) 10-10860 MF
M.5102
Changes in the salt composition of mud-water during diagenesis

En 10-10859.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

ANON. (1963) 10-10861 MF
Engineer,Lond., 216(5626):849-50
Radio-linked tide gauges in the Thames estuary

Equipment at Southend, Tilbury and the Shivering Sands Forts is transmitted to the Thames Navigation Service building at Gravesend by radio links.
IA 19(1)358.

Roskam, R.Th. & D. de Langen (1963) 10-10862 MF
Analyt.chim.Acta, 28:78-81
A compleximetric method for the determination of dissolved oxygen in water. Fr De

Iron (III) formed from FES at ph 7.5 is titrated with EDTA solution in presence of salicylic acid indicator after adjustment of the ph to about 2.4. Method is slightly less precise than Winkler method for pure waters but more accurate for polluted waters; it is simple and convenient for field use.

Pritchard, D.W. & A.B. Joseph (1963) 10-10863 MF
In 9-10031
Disposal of radioactive wastes: Its history, status and possible impact on the environment

Brezeanu, G. & E. Prunescu-Arion (1962) 10-10864 MF
Rev.Biol.Acad.Roum., 7(1):159-68
(Contribution to the hydrochemical and hydrobiological study of the St. George arms of the Danube Delta). De

BAgr. 27(7)57291.

Popescu, V. (1962) 10-10865 MF
Rev.Biol.acad.Roum., 7(1):149-57
(Hydrobiological investigations in the Sulina arm of the Danube Delta). De

BAgr. 27(7)57304.

E.J.G. (1963) 10-10866 MF
Chem.& Ind., (11):445-6
Birmingham and Midland section and industrial water and effluents group. "The use of a coloured bacterium as an indicator of local water movements"

Brief note on the use of Serratia marcescens strains as a tracer in the Blackwater estuary.

Benito, M.L. (1963) 10-10867 MF
Industr.conserv., 29(283):8-9
La Ria de Vigo. Resultado de nuevas investigaciones hidrográficas
(The Ria de Vigo. Results of new hydrographic investigations)

Study of the effects of rain fall, in flow, evaporation, and winds in the hydrographic conditions of the "ria".

Elliott, J.W. (1963) 10-10868 MF
Progr.Fish Cult., 25(1):42-5
A sensitive photometric procedure for dissolved oxygen with potential field applicability

Describes method.

Frey, P.J. (1963) 10-10869 MF
Progr.Fish Cult., 25(1):46-9
A plane-type soil sampler

Describes new soil sampler which collects thin uniform layer of sediment from pond or stream, compares it with five commonly used samplers.

Ball, H.R. (1963) 10-10870 MF
Progr.Fish Cult., 25(1):55
A method of preventing contamination of work area and personnel

Describes technique for handling radioactive or toxic material.

ANON. (1963) 10-10871 MF
Cah.C.E.R.B.O.M., (1):71-8
Experimentation par le groupe d'études de securité de l'industrie petrolière du produit anti-mazout "PAM 6"
(Experiments by the safety study group of the petroleum industry with the anti-fuel-oil product "PAM 6")

Notes on tests showing the efficiency of the product in clearing the surface of oiled water.

Klots, C.E. & B.B. Benson (1963) 10-10872 MF
J.Mar.Res., 21(1):48-57
Solubilities of nitrogen, oxygen, and argon in distilled water

Solubilities of nitrogen, oxygen and argon in distilled water in the temperature range 2-27 deg.C were measured with an estimated accuracy approaching 0.1%. Both absolute and solubility ratio techniques were employed. Tabulations are presented and interrelationships among the results are noted.

Dowling, G.B. & F.C.W. Olson (1964) 10-10873 MF
Science, 146(3650):1492-3
Diffusion in oceans and fresh waters

Shortly reviews 20 papers presented at the symposium held at the Lamont Geological Observatory, New York, 31 August to 12 September 1964.

Mock, C.R. (1963) 10-10874 MF
Circ.U.S.Fish Wildl.Serv., (161):75-6
Movement of water masses in Galveston harbour

Wheeler, R.S. (1963) 10-10875 MF
Circ.U.S.Fish Wildl.Serv., (161):77-82
Estuarine water observations during a 24-hour cycle

Diener, R.A. (1963) 10-10876 MF
Circ.U.S.Fish Wildl.Serv., (161):52-4
Effects of engineering projects on estuaries

ANON. (1963)A 10-10877 MF
Merentutkimuslait.Julk., (204):27 p.
The Finnish Baltic cruise 1960. Hydrographical data

Bird, E.C.F. & D.S. Ranwell (1964) 10-10878 MF
J.Ecol., 52(2):355-66
Spartina salt marshes in southern England. 4. The physiography of Poole Harbour, Dorset

Silver, R.S. (1964) 10-10879 MF
New Scient., 24(412):92-4
Fresh water from the sea: Britain's contribution

Narasako, Y. & H. Nakayama (1964) 10-10880 MF
Mem.Fac.Fish.Kagoshima, 13(1964):104-9
(Paddle wheel of movable float type for a large circulating tank as compared to that of fixed float type). Ni En

Working drawings of the wheel.

Gleason, G.R. & F.G. Goff (1963) 10-10881 MF
Progr.Fish Cult., 25(2):104-5
A multi-level water sampler

Describes instrument which can sample at vertical intervals of 2 cm.

Gray, I.E. & M.J. Cerame-Vivas (1963) 10-10882 MF
Limnol.& Oceanogr., 8(3):330-7
The circulation of surface waters in Raleigh Bay, North Carolina

Study based on drift bottle returns and published literature. Recoveries of drift bottles from Onslow Beach and Bogue Sound lends support to the theory that temporary winter populations of such northern spp. as *Mytilus edulis* and *Balanus balanoides* in the Carolinian sub-provinces owe their existence there to transport of planktonic larvae around the capes at times of strong southward coastal flow, when barriers at the capes are broken.

Stephens, K. (1963)A 10-10883 MF
Limnol.& Oceanogr., 8(3):361-2
Determination of low phosphate concentrations in lake and marine waters

Fremling, C.R. & J.J. Evans (1963)A 10-10884 MF
Limnol.& Oceanogr., 8(3):363-4
A method for determining the dissolved-oxygen concentration near the mud-water interface

Thames Survey Committee & Water Pollution Research Laboratory (1964) 10-10885 MF
Tech.Pap.Wat.Pollut.Res.,Lond., (11)
Effects of polluting discharges on the Thames Estuary

Rikhter, V.G. & S.K. Samsonov (1961) 10-10886 MF
Izv.Akad.Nauk SSSR(geogr.), 6:87-91
K poslednim stranitsam geologicheskoi istorii Kaspiia
(The last pages in the geological history of the Caspian)

Zotin, M.I. (1961) 10-10887 MF
Biull.okeanogr.Kom.,Moskva, 8:49-54
Razvitie issledovanii gidrologicheskogo rezhima morskikh ust'ev rek
(Development of research on the hydrological regime of river estuaries)

Rutkovskii, V.I. (1961) 10-10888 MF
Biull.Inst.Biol.Vodokhran., 10:57-8
Kraplenie datchikov zabortnykh priborov dlia fiksatsii ikh polozheniia po glubine
(Mounting the data units of shipboard instruments in order to set them at a particular depth in the water)

Nemchenko, V.I. (1961) 10-10889 MF
Biull.Inst.Biol.Vodokhran., 10:54-6
Izmerenie temperatury poverkhnosti moria na khodu sudna
(Measuring the temperature of the sea surface on a ship in motion)

Rozhdestvenskii, G.D. (1961)C 10-10890 MF
In 10-11070
Solevye potoki i regulirovanie ikh ozerami i iskusstvennymi emkostiami
(Saline streams and their regulation by lakes and artificial reservoirs)

Shirei, V.A. (1961) 10-10891 MF
Met.i Gidrol., 9:48-50
Metody nabliudenii techenii iakornymi buikovymi ustanovkami
(Method of observing currents with anchored buoys)

Popov, B.A. (1961) 10-10892 MF
Met.i Gidrol., 9:41-5
Prilozhenie printsipa mekhanicheskogo podobiia k issledovaniiu protsessa peremeshcheniia nanosov volneniem
(Application of the principle of mechanical similitude to investigation of the process of wave transport of detritus)

Maev, E.G. (1961) 10-10893 MF
Okeanologiia, 1:658-63
Moshchnosti sovremennykh otlozhenii i skorosti osadkoobrazovaniia v Iuzhnom Kaspii
(The thickness of contemporary deposits and sedimentation rates in the southern Caspian)

Dronkers, J.J. (1964)BC 10-10894 MF
Amsterdam, North-Holland, 518 p.
Tidal computations in rivers and coastal waters

Rigorous mathematical treatment provides a bridge between practical experience of Netherlands school of coastal engineering and interests of academically minded hydrodynamicist and oceanographer to give understanding of problems involved in study of tidal phenomena in estuaries and coastal regions.
:SJH

Somers, M.L. & A.R. Stubbs (1963) 10-10895 MF
J.Instn Wat.Engrs, 16:501-2
A mud echo-sounder

Tests an echo-sounder for measuring the thickness of mud deposits.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(457).

Booth, G.H., A.W. Cooper & A.K. Tiller (1963) 10-10896 MF
J.appl.Chem., 13(5):211-20
Corrosion of mild steel in the tidal waters of the Thames Estuary. 1. Results of six-months' and one year's immersion

Eliassen, R. (1964) 10-10897 MF
J.Wat.Poll.Contr.Fed., 36:201-16
Disposal of high-level radioactive wastes

Hester, F.J., D.C. Aasted & R.W. Gilkey (1963) 10-10898 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (441):5 p.
The bathykymograph, a depth-time recorder

Details of construction, operation, calibration and accuracy are given.

Ulanov, Kh.K. (1965) 10-10899 MF
Dokl.Akad.Nauk SSSR, 162(1):166-8
Podzemnyi stok v Kaspiiskoe more i filtratsiia ego vod v dno i berega
(Subsurface drainage into the Caspian Sea, and the filtration of its waters into the bottom and banks)

Hashimoto, T. et al. (1963) 10-10900 MF
Int.hydrogr.Rev., 40(2):31-40
Echo sounding of frozen lake from surface of ice

Records the successful detection of fish schools from the ice surface for the first time.

Owaki, N. (1963) 10-10901 MF
Int.hydrogr.Rev., 40(2):41-3
A note on depth when the bottom is soft mud

Until a definite method for determining the navigable depth is established, the following tentative ways are proposed: (1) to employ sonic waves of frequencies around 50-70 kc/s; (2) to use a lead with a plate beneath it such that the resultant basic pressure is of the order of 0.01 kg/cm square.

Eaton, R.M. (1963) 10-10902 MF
Int.hydrogr.Rev., 40(2):45-51
Airborne hydrographic surveys in the Canadian Arctic

Describes the environment; echo sounding through ice; profile sounding by towing from a helicopter in open water; and position fixing in helicopters.

Stubbs, A.R. (1963) 10-10903 MF
Int.hydrogr.Rev., 40(2):53-68
Identification of patterns on asdic records

Provides interpretations for echo patterns on asdic records which can be produced by objects and effects associated with the equipment, the ship, the sea and its boundaries.

Abbotts, W.E. (1963) 10-10904 MF
Int.hydrogr.Rev., 40(2):179-85
The solartron transdeptor

Liquid density, gravitational acceleration, atmospheric pressure and height of liquid define the pressure at a point in a liquid. Provided that the first three parameters are known, the depth can be determined by pressure measurement. The accuracy attainable in depth measurement by pressure is also discussed.

ANON. (1963) 10-10905 MF
Int.hydrogr.Rev., 40(2):187-9
Current meter of the Netherlands hydrographic office

Describes construction and operation of the meter.

Batisse, M. (1965) 10-10906 MF
New Scient., 25(425):38-40
Launching the hydrological decade

The aims of the 1965 project, the need of an international approach to scientific hydrological problems are discussed.

Bauer, W. (1963) 10-10907 MF
Z.Fisch., 11(7/8):563-70
Hydrographische Beobachtungen im Kleinen Haff und seinen Nebengewässern in den Jahren 1958-1960
(Hydrographical observations in the Oderhaff and adjacent waters 1958-1960)

Fukai, R. (1964)A 10-10908 MF
Bull.Inst.océanogr.Monaco, 62(1307):16 p.
A note on the strontium-90 content of marine organisms as an index for variations of strontium-90 in sea water. Fr Ru

Bogusevich, L.N. (1961) 10-10909 MF
Gidrokhim.Mater., 32
Konduktometricheskii metod opredeleniia kal'tsiia v prirodnykh vodakh
(The conductometric method for determining calcium in natural waters)

Posokhov, E.V. (1961) 10-10910 MF
Gidrokhim.Mater., 32
Graficheskoe izobrazhenie khimicheskogo sostava prirodnykh vod s pomoshch'iu kombinatsii dvukh treugol'nikov s dvumia kvadratami
(The use of a combination of two triangles and two squares for graphic depiction of the chemical composition of natural waters)

Beisova, M.P. & P.A. Kriukov (1961) 10-10911 MF
Gidrokhim.Mater., 32
Konduktometricheskii metod opredeleniia organicheskogo ugleroda v prirodnykh vodakh
(The conductometric method for determining organic carbon in natural waters)

Datsko, V.G. & I.A. Goncharova (1961) 10-10912 MF
Gidrokhim.Mater., 32
K izucheniu organicheskogo veshchestva Tsimlianskogo vodokhranilishcha i Belogo moria
(Materials for a study of the organic matter of the Tsimliansk reservoir and the White Sea)

Fedorov, M.K. (1961) 10-10913 MF
Trudy arkt.antarkt.nauchno-issled.Inst., 213
Metodika kratkosrochnogo prognozirovaniia urovnei v ust'iakh rek Indigirki i Kolymy
(Procedure for short-term forecasts of river-mouth level in the Indigirka and Kolyma)

Ivanov, V.V. (1961) 10-10914 MF
Trudy arkt.antarkt.nauchno-issled.Inst., 213
Rezhim urovnei Bykovskoi protoki del'ty Leny v zone vliianiia moria
(Water-level conditions in the Bykov channel of the Lena delta in the estuarine zone)

Teis, R.V. (1961) 10-10915 MF
Priroda, Moskva, 4:31-4
Tiazhelyi kislorod v prirode. Tiazhelyu kislorod morei, okeanov i rek. Izotopy iskopaemykh pomogaiut opredelit' temperaturu proshlogo. Izotopy kisloroda i prirodnye protsessy
(Heavy oxygen occurring under natural conditions. The heavy oxygen of the seas, oceans and rivers. The isotopes of fossils can be of assistance in determining the temperature of the past. Oxygen isotopes and natural processes)

Filippov, I.A. (1961) 10-10916 MF
Trudy Inst.Okeanol., 47:99-102
Chuvstvitel'nye datchiki dlia registratsii pul'satsii temperatury vody
(Sensitive probes for recording water temperature fluctuations)

USSR. Akademiia Nauk. Institut Okeanologii (1961) 10-10917 MF
Trud.okeanogr.Kom.Akad.Nauk SSSR, 12
Novye issledovaniia beregov morei i vodokhranilishch
(Symposium: New studies of the coasts of seas and reservoirs)

Contains: 10-10731 to 10-10741, 10-11119.

Malinina, T.I. (1961) 10-10918 MF
Trudy Lab.Ozerov., 12:128-34
O sgonno-nagonnykh kolebaniiakh urovnia vody Iakimvarskogo zaliva
(Fluctuations of water level in Iakimvar Bay produced by onshore and offshore winds)

Malinina, T.I. (1961) 10-10919 MF
Trudy Lab.Ozerov., 12:135-48
O seishakh Iakimvarskogo zaliva
(The seiches of Iakimvar Bay)

Tikhomirov, A.I. (1961) 10-10920 MF
Trudy Lab.Ozerov., 12:79-110
Nekotorye osobennosti termicheskogo rezhima Iakimvarskogo zaliva
(Some features of the thermal regime in Iakimvar Bay)

Sosnovskii, I.A. (1961) 10-10921 MF
Trud.Inst.Okeanol., 47:15-21
Metody i apparatura dlia poiska avtonomykh buikovykh stantsii
(Methods and apparatus for finding self-operating buoys)

Shuliak, B.A. (1961) 10-10922 MF
Okeanologiia, 1:473-84
Kinematika volnovogo potoka, rasprostraniaiushchegosia nad rifel'noi poverkhnost'iu dna
(The kinematics of a wave current propagated above a ripple-marked bottom surface)

Stepanov, I.A. (1961) 10-10923 MF
Okeanologiia, 1:851-5
Balans volnovoi energii dlia zashchishchaemoi akvatorii
(The wave energy balance for a sheltered body of water)

Spidchenko, A.N. (1961) 10-10924 MF
Okeanologiia, 1:1020-4
O skorosti rasprostraneniia zvuka v vodakh Kaspiiskogo i Aral'skogo morei
(The propagation velocity of sound in the waters of the Caspian and Aral Seas)

Dobrovol'skii, A.D., V.G. Zavriev & A.N. Kosarev (1961) 10-10925 MF
Okeanologiia, 1:626-9
Tsvet i prozrachnost', kak priznaki rechnykh vod v more
(Colour and translucence as signs of river water in the sea)

Solov'ev, V.F., E.G. Maev & A.Iu. Iunov (1961) 10-10926 MF
Dokl.Akad.Nauk SSSR, 140:1163-6
Proiavleniia griazevogo vulkanizma v glubokovodnoi chasti Iuzhnogo Kaspiia
(Manifestations of mud volcano activity in the deepwater area of the Southern Caspian)

Tarzwell, C.M. (1962) 10-10927 F
Canad.Fish Cult., (31):35-41
The need and value of water quality criteria with special reference to aquatic life

Discusses need for and value of criteria and basic principles for their establishment.

Näher, W. (1963) 10-10928 F
Arch.Hydrobiol., 59(4):401-66
Untersuchungen über die Radioaktivität im Wasser und Plankton des Starnberger Sees mit besonderer Berücksichtigung der Wassergüte
(Investigations on radioactivity in the water and in plankton of Starnberger Lake). En

Stross, R.G. (1964) 10-10929 F
Chesapeake Sci., 4(4):197
Limnology in North America

Re 9-05052.

Lloyd, R. (1964) 10-10930 F
Ann.appl.Biol., 53:508-9
Sewage effluents and their effects on fisheries

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Vámos, R. (1964) 10-10931 F
J.Soil Sci., 15(1):103-9
The release of hydrogen sulphide from mud

Studies conducted in Hungary showed damage due to H_2S occurring in acidic, heavy soils of flooded rice fields and in peaty fishponds. The released H_2S may result in diseases in the rice plants, and algae bloom and fish death in the ponds.
TA September 1964.

Fremling, C.R. (1964) 10-10932 F
Science, 146(3648):1164-6
Mayfly distribution indicates water quality on the Upper Mississippi River

The presence of pollution-sensitive forms of mayflies, Hexagenia bilineata and H. limbata, indicates the state of well-being of a river.

Prát, S. & V. Sládeček (1964) 10-10933 F
Hydrobiologia, 23(1/2):246-52
An inexpensive bioassay aimed at the agricultural disposal of waste waters. De

Bioassays using the seed of cultural plants germinating on Petri dishes are described. Fermentation and growth of young plants are very susceptable to any inconvenient substance present in water.

Basu, A.K. (1963) 10-10934 F
Indian J.Technol., 1(9):365-6
A new method for the treatment of paper pulp mill effluents employing electricity

Heinz, H.J. & W.K. Fischer 10-10935 F
(1962)
Fette-Seif.-Anstrichmitt., 64:270-9
Detergents in water and sewage

Survey of literature on synthetic detergents and their behaviour and effects in water and sewage. Including toxicity to water organisms and other animals.
WPA 37(3)380.

Johannsen, A. (1963) 10-10936 F
J.appl.Bact., 26:43-7
Clostridium botulinum in Sweden and the adjacent waters

Results of studies including study of samples of bottom deposits, shore sands and gravels, fish, and terrestrial samples.
WPA 37(3)392.

Lehn, H. (1962) 10-10937 F
Gas-u.Wasserfach, 103:779-85
Annual course of temperature stratification in Lake Constance

Results of observations of temperature stratification and variations over the course of a year at depths of 0-50 m.
WPA 37(3)401.

Zumberge, J.H. (1962) 10-10938 F
J.geophys.Res., 67:2529-36
A new shipboard coring technique

Illustrated description is given of apparatus and techniques developed for collecting samples of bottom deposits from Lake Superior in water at least 500 ft deep.
WPA 37(3)404.

Society for Analytical Chemistry 10-10939 F
(1963)C
Cambridge, W. Heffer & Sons Ltd., 598 p.
Official, standardized and recommended methods of analysis

Part 1. of this volume includes a section on sampling and analysis of trade effluents, part 2. consists of bibliographies of official, standardized, tentative and recommended methods for analysis of a wide variety of materials, including sewage, trade effluents, and water.
WPA 37(3)405.

Michelsen, E. & E. Märki (1961) 10-10940 F
Mitt.Lebensm.Hyg.,Bern, 52:557-71
Laboratory and field methods for the detection of anion-active detergents in surface, ground, and waste waters

WPA 37(3)406.

Canada. Department of Northern 10-10941 F
Affairs and National Resources.
Water Resources Branch (1963)
Wat.Resour.Pap.Ottawa, (132):592 p.
Surface water supply of Canada. Arctic and western Hudson Bay drainage and Mississippi drainage in Canada in British Columbia, Alberta, Saskatchewan, Manitoba, the Northwest Territories and western Ontario. Water year 1959-60

Report, containing data on stream flow, water-levels, and meterological conditions during the year 1959-60, relates to the area of Canada draining to the Arctic Ocean, western Hudson Bay, and the Mississippi River.

WPA 37(3)413.

Frederick, B.J. (1963) 10-10942 F
Int.J.appl.Radiat.Isot., 14:401-4
Labelling lake water with tritium

Methods used in packaging the tracer to facilitate safe handling in the field and in the actual labelling operation, are described.
WPA 37(3)418.

Smith, A.L., J. Layell & J.C. 10-10943 F
Grey (1962)
Wastes Engng, 33:456-8
How to predict downstream DO drop

WPA 37(3)514.

Ruf, M. (1962) 10-10944 F
Gas-u.Wasserfach, 103:713-21
Investigations on the behaviour of radioactive substances in surface waters and waste waters

Results are given of measurements made between 1959 and 1961 of total β-activity in the River Isar and in lakes around Munich.
WPA 37(3)524.

Mauz, J. & G. Weinmann (1962) 10-10945 F
Gas-u.Wasserfach, 103:451-6
Four years of investigations into radioactivity in Lake Constance

Results of investigations between 1958 and 1962 into the β-activity of rainfall, its penetration and stratification at different depths in Lake Constance, and the effect of temperature. Measurements also made of activity in tributary streams and in biological material from the lake.
WPA 37(3)525.

Berg, A. et al. (1961) 10-10946 F
Com.naz.Energ.Nucl.,Italy, 1961:240 p.
Accumulation of fission products from fallout in lake biota (Lake Maggiore)

Measurements of total β-activity of water, sediment, plankton, fish and molluscs in Lake Maggiore, Italy, to determine the natural activity and fallout. Concentration factors calculated for isotopes in animals, and laboratory studies carried out on uptake of strontium-89 and manganese-54 by plants, sediments, molluscs, and fish.
WPA 37(3)526.

Bovard, P., A. Grauby & Y. Cattan (1963) 10-10947 F
Bull.Inform.Sci.Tech., (70):19-26
Study of the transfer of a radioactive ion in a slow-moving stretch of water

Describes a study carried out to determine the dispersion of a radioactive ion in a lake or pond using a laboratory micropond.
WPA 37(3)527.

Gileva, E.A. (1963) 10-10948 F
Dokl.Akad.Nauk SSSR, 149:1157-8
The accumulation of seven radio-isotopes by four different freshwater algae

Results of experiments on the uptake of the isotopes sulphur-35, cobalt-60, strontium-90, ruthenium-106, caesium-137, cerium-144, and promethium-147 by the single-celled algae Chlorella vulgaris and Lagerheimia sp. and by the filamentous algae Ulothrix sp. and Vaucheria terrestris.
WPA 37(3)528.

Borght, O.V.D. (1963) 10-10949 F
Nature,Lond., 197:612-3
Accumulation of radium-226 by the freshwater gastropod Lymnaea stagnalis L.

Summarizes results of investigations on the use of snail as an indicator of radioactive contamination of the environment.
WPA 37(3)531.

Guthrie, J.E. (1963) 10-10950 F
Atom.Energ.Canad.Ltd., AECL-1765:34 p.
Radiostrontium, radiocaesium and total-beta activities in Ottawa River water (June 1960 to December 1962)

WPA 37(3)533.

Dieterich, B.H. & C. Harbort (1962) 10-10951 F
Gas-u.Wasserfach, 103:799-801
Is the salt content of the Rhine increasing?

WPA 37(3)536.

Niemitz, W. & W. Pestlin (1962) 10-10952 F
Städtehygiene, 13:231-3
The effect of biological sewage treatment on the harmfulness of detergents to fish

Figures are given showing that the toxicity to fish of some new easily decomposable detergent preparations is greater than that of the biologically harder tetrapropylenebenzenesulphonate.
WPA 37(3)537.

Labzovskii, N.A. (1961) 10-10953 F
Trud.Kom.okeanogr., 8
Gidrologicheskie osnovy rascheta pererabotki beregov vodokhranilishch
(The modification of reservoir banks: hydrological calculation principles)

Gugniaev, Ia.E. (1961) 10-10954 F
Trud.Kom.okeanogr., 8
Deistvie voln vodokhranilishchna iskusstvennye pologie otkosy
(Wave action on the smooth artificial beach slopes of reservoirs)

Kuklin, A.K. (1961) 10-10955 F
Trud.Kom.okeanogr., 8
Opyt nepreryvnoi registratsii vetra u voln na Baikale
(Experience of the continuous recording of wind and waves on Lake Baikal)

Rovozskii, L.B. (1961) 10-10956 F
Trud.Kom.okeanogr. 8
O rabote Odesskogo gosudarstvennogo universiteta na Kakhovskom vodokhranilishche v 1956-1957 gg
(The work of the Odessa State University on the Kakhovka reservoir: 1956-1957)

Lange, K.O. (1961) 10-10957 F
Trud.Kom.okeanogr., 8
Nekotorye vyvody iz nabliudenii nad protsessami pereformirovaniia beregov Tsimlianskogo vodokhranilishcha
(Some conclusions from observations of the processes of coastal modification in the Tsimliansk reservoir)

Kolbutov, A.D. (1961) 10-10958 F
Trud.Kom.okeanogr., 8
Rezul'taty geomorfologicheskikh nabliudenii na beregakh vodokhranilishch
(The results of geomorphological observations on reservoir banks)

Sarmiento, R. & R.A. Kirby (1962) 10-10959 F
J.sediment.Petrol., 32(4):698-724
Recent sediments of Lake Moracaibo

Sonic surveys were performed and 40 cores taken. Organic carbon content, minerology by X-ray and age by C_{14} were determined. Gas samples were taken from the sediments. Sediments were described by color, grain size, density, porosity and ultrasonic velocities.

Price, W.A. (1963) 10-10960 F
J.Geol., 71(4):530-1
The oriented lakes of Arctic Alaska: A discussion

Le 8-04077.

Carson, C.E. & K.M. Hussey (1963) 10-10961 F
J.Geol., 71(4):532-3
The oriented lakes of Arctic Alaska: A reply

Le 10-10960.

Holland, H.D. et al. (1964) 10-10962 F
J.Geol., 72(1):36-67
On some aspects of the chemical evolution of cave waters

Empirical observations on chemistry of cave waters from three caves of the eastern U.S. divided into three stages of evolution: carbonation in the soil zone, solution of calcite and/or dolomite, and equilibration with cave air.

Hasler, A.D. (1963)C 10-10963 F
In 10-13651:17-21
Experimentelle Limnologie in der heutigen Wasserforschung
(Experimental limnology in the present water investigations)

Liebmann, H. (1963)C 10-10964 F
In 10-13651:27-30
Der Zeitfaktor in der Abwasserreinigung
(Function of time in purification of polluted waters)

Ruf, M. (1963)C 10-10965 F
In 10-13651:30-3
Anreicherung und Speicherung radioaktiver Substanzen durch pflanzliche und tierische Wasserorganismen
(Enrichment and storing of radioactive substances by floristic and faunistic water organisms)

Eguchi, H. (1963) 10-10966 F
Sci.Rep.Hokkaido Fish.Hatch., (18):83-6
(Processes of self-purification of river contaminated by starch waste). Ni

Osanai, M. (1963) 10-10967 F
Sci.Rep.Hokkaido Fish.Hatch., (18):87-91
(On the limnological observations of the Futamata Reservoir, Lake Shuparo, in June and October, 1963). Ni

Yoshizumi, K., Y. Ito & S. Hosokawa (1963) 10-10968 F
Sci.Rep.Hokkaido Fish.Hatch., (18):59-81
(Seasonal observations on the chemical substances of water and mud in Tokachi River (Chiyodaohashi-Otsu Tokachibuto) in 1961 to 1963). Ni

Dean, J.M. (1964)A 10-10969 F
Hydrobiologia, 24(1/3):435-40
The effect of sewage on a chain of lakes in Indiana

Ray, P. (1963) 10-10970 F
Indian J.exp.Biol., 1(2):109-11
Some chemical and biotal characteristics of bottom deposits in a stream polluted by sugar and distillery wastes

The polluted zone is found to show a high carbon/nitrogen ratio, low value of dissolved oxygen, high abundance of oligochaetes, chironomids and bacteria, and absence of molluscs.

USPHS (1964) 10-10971 F
Radiol.Hlth Data, 5(8):383-6
Radioactivity in surface waters of the United States, February 1964

Mooney, R.R. & P.W. Hildebrandt (1964)A 10-10972 F
Radiol.Hlth Data, 5(8):386-9
Radioactivity in Washington surface water July 1962 - June 1963

Toombs, G.L. & J.G. Bailey (1964)A 10-10973 F
Radiol.Hlth Data, 5(8):395-400
Radiological survey of the lower Columbia River in Oregon, January 1962 - July 1963

USPHS (1963) 10-10974 F
Radiol.Hlth Data, 4(8):417-20
Radioactivity in raw surface waters.

USPHS (1964)A 10-10975 F
Radiol.Hlth Data, 5(7):337-40
Radioactivity in surface waters of the United States, January 1964.

Mackiewicz-Golachowska, J. (1963) 10-10976 F
Int.Rev.Hydrobiol., 48(4):613-26
Einige Ursachen des Phenolschwundes im Flusswasser
(Some causes of phenol losses in rivers)

Discusses data on phenol pollution in some rivers of Silesia, Poland.

Stiller, J. (1963) 10-10977 F
Int.Rev.Hydrobiol., 48(4):603-12
Zur Limnologie der Natrongewässer Ungarns. 1. Der Natronsee Nagyszék und seine Peritrichenfauna
(Limnology of carbonate and sulphate rich waters of Hungary. 1. The carbon rich Lake of Nagyszék and its Peritricha fauna)

Description of Peritricha (Ciliata) with two new spp.; chemistry and general ecology of the lake.

Gard, R. (1963) 10-10978 F
Ecology, 44(1):194-7
Insulation of a Sierra stream by snow cover

A study made at Sagehen Creek in the Sierra Nevada. Diurnal temperatures in a vertical series, extending from the stream bed to about 3 feet above the snow, were determined using a thermocouple-potentiometer recording system.

Eriksen, C.H. (1963) 10-10979 F
Ecology, 44(1):191-3
A method for obtaining interstitial water from shallow aquatic substrates and determining the oxygen concentration

The interstitial water sampler allows simple and rapid collection of small samples of interstitial water in a variety of shallow, aquatic substrates. In combination with the micro-Winkler syringe technique for oxygen concentration determination, a useful tool is provided for determining the oxygen concentration in an environment previously slighted.

Bank, O. (1964) 10-10980 F
Arch.FischWiss., 15(2):61-94
Der Kalk-Kohlensäurehaushalt im Teich
(The lime and calcium carbonate household of a pond). En

Zenin, A.A. (1961) 10-10981 F
Gidrokhim.Mater., 31
Neodnorodnost' sostava volzhskoi vody i protsessy smesheniia ee vodnykh mass
(Non-uniformity of composition in the waters of the Volga and the processes involved in the mixing of the waters)

Zenin, A.A. (1961) 10-10982 F
Gidrokhim.Mater., 31
Rezhim glavneishikh ionov v vode r. Volgi do ee zaregulirovaniia (1954-1955 gg.)
(The regime of the principal ions in the waters of the Volga before its regulation: 1954-1955)

Tarasov, M.N. (1961) 10-10983 F
Gidrokhim.Mater., 31
K voprosu ob izuchenii karbonatoobrazovaniia v zamknutykh vodoemakh aridnoi zony na primere oz Balkhash
(A note on the study of carbonate formation in land-locked waters of the arid zone, taking Lake Balkhash as an example)

Tarasov, M.N. (1961) 10-10984 F
Gidrokhim.Mater., 31
O raschete sootnoshenii poverkhnostnogo i gruntovogo pitaniia prudov gidrokhimicheskim metodom
(Use of the hydrochemical method to calculate the relative contributions of surface run-off and ground water in the recharging of ponds)

Nikolaeva, E.A. & B.A. Skopintsev (1961) 10-10985 F
Gidrokhim.Mater., 31
Bikhromatnaia okisliaemosti v vodakh rek i ozer Podmoskov'ia kurpnykh rek Sovetskogo Soiuza
(The oxidizability of bichromate in river and lake waters of the Moscow region and in the major rivers of the Soviet Union)

Kolosova, N.N. & N.N. Kolosova 10-10986 F (1961)
Gidrokhim.Mater., 31
Biogennye elementy i ikh stok v r. Volge u g. Kuibysheva do ee zaregulirovaniia (1951-1954 gg.)
(Biogenic elements and their run off in the waters of the Volga at Kuibyshev before regulation of the river: 1951-1954)

Klimov, I.T. & V.Ia. Eremenko 10-10987 F (1961)
Gidrokhim.Mater., 31
K spektrograficheskomu opredeleniiu mikroelementov v prirodnykh vodakh. Soobshch. 4 - Gruppovoe opredelenie Ni, Co, Ag, Cu, V, Sn, Mo, Ti, Al, Bi, Fe, Pb, i MN posle ikh kontsentrirovaniia pri pomoshchi dietilditiokarbonata natriia i 8-oksikhinolina
(A note on spectrographic determination of trace elements in natural waters. Communication 4. Group determination of Ni, Co, Ag, Cu, V, Sn, Mo, Ti, Al, Bi, Fe, Pb, and MN after concentration with sodium diethyldithiocarbonate and 8-oxyquinoline)

Kaplin, V.T. & V.G. Datsko 10-10988 F (1961)
Gidrokhim.Mater., 31
Metod uskorennogo opredeleniia organicheskogo azota v prirodnykh vodakh
(A method for the rapid determination of organic nitrogen in natural waters)

Konovalov, G.S. & O.N. Shokina 10-10989 F (1961)
Gidrokhim.Mater., 31
Opredelenie molibdena v prirodnykh vodakh
(Determination of molybdenum in natural waters)

ANON. (1963) 10-10990 F
Engineering,Lond., 195(5060):506-7
Measuring ground and surface water

Account of symposium on measurements in hydrology, Reading, September, 1963.
IA 18(6)3888.

Raymond, J.R. (1962) 10-10991 F
General Electric Co., Hanford Atomic Products Operation, Richland, Wash., HW-73994:12 p.
A well water temperature logging system

IA 18(6)3915.

Vasiliu, G.D. (1964)A 10-10992 F
Arch.Hydrobiol., 60(4):428-36
Einige limnologische Daten über die Hochgebirgsseen des Retezat-Massives (Süd-Karpaten, Rumänien)
(Some limnological data on the high mountain lakes of the Retezat Massif (South Carpathian mountains, Roumania). En

Martens, R. (1964)A 10-10993 F
Arch.Hydrobiol., 60(4):437-49
Zum Einfluss der biogenen Stoffwechseldynamik auf den Sedimenttransport in Fliessgewässern
(The influence of biogenic metabolism dynamics on the sediment transport in flowing waters).
En

Ball, R.C. & F.F. Hooper (1962) 10-10994 F
Progr.Rep.Mich.St.Univ., 14 June 61- 7 March 62
47 p.
Translocation of phosphorus in a trout stream ecosystem

Available from IAEA, Vienna, Austria.

Paris-Teynac, E.J. (1963) 10-10995 F
Bull.Inst.franç.Afr.noire(A), 25(1):1-21
Contribution à la connaissance des fleuves d'Afrique tropicale et en particulier du Nil. Les crues exceptionnelles
(Contribution to the knowledge of the rivers of tropical Africa, and particularly the Nile. The abnormal floods)

Study of flood cycles over a long historical period.
CR 8-08087.

ECOSOC (UN) (1963) 10-10996 F
E/ECE/485:3 p.
Water pollution control problems in Europe. Progress report by the executive secretary on the implementation of project 01.2.3 of the commission's programme of work for 1962/1963

With respect to water pollution control, describes co-operation with secretariats of other UN agencies, work with respect to documentation, interchange of advisory services, seminars, directories, educational material and expert meetings.
FIB:wad

Price, R.W. & J.B. Haus (1963) 10-10997 F
Progr.Fish Cult., 25(1):37-9
Aids for stream reclamation

Describes simple device for maintaining constant flow of toxicant from drip station.

Rhomer, R. & J. Guyot (1963) 10-10998 F
Eau, Paris, 50(3):137-42
Emploi de l'iode 131 comme traceur. La mesure du débit et de la vitesse d'écoulement de l'oued Chéliff
(The use of iodine 131 as a tracer. Measurement of discharge and flow velocity of the wadi Chéliff)

Bournaud, M. (1963)A 10-10999 F
Hydrobiologia, 21(2/1):125-65
Le courant, facteur, écologique et éthologique de la vie aquatique
(The current as an ecological and ethological factor in aquatic life). En

Lenhard, G., A. du Plooy & W.R. Ross (1963)A 10-11000 F
Hydrobiologia, 21(1/2):177-87
A new method for the determination of the anionic adsorption capacity of bottom deposits with particular reference to the adsorption of anionic detergents. De

Dean, J.M. & R.F. Burlington (1963)A 10-11001 F
Hydrobiologia, 21(1/2):193-9
A quantitative evaluation of pollution effects on stream communities. Fr

IAEA (1963) 10-11002 F
Saf.Ser.int.atom.Energ.Ag., (10):99 p.
Disposal of radioactive wastes into fresh water

Presents the principles and practices of radioactive waste management which will ensure that the use of fresh-water systems will in no way be jeopardized. Major attention has been devoted to disposal in streams, lakes and sub-surface waters. Main body of report is a general treatise on fate of radioactive wastes disposed into fresh-water systems; radiation exposure estimation and control; site and monitoring requirements; and the legal, administrative and organizational principles of radioactive-waste pollution control at national and international levels. Conclusions and recommendations are presented. Factors of particular significance are treated. Subjects on which considerable research is currently being undertaken, such as radioecology, are treated more fully than those, such as hydrology, for which a number of excellent textbooks already exist.

Klapper, H. (1963)A 10-11003 F
Int.Rev.Hydrobiol., 48(1):9-34
Zu einigen Problemen der biologischen Wasseranalyse nach Untersuchungen im Einzugsgebiet Mittlere Elbe - Sude -Elde
(On some problems of biological water analysis from investigations on the middle Elbe-Sude-Elde region)

Sládečková, A. (1963)A 10-11004 F
Int.Rev.Hydrobiol., 48(1):35-42
Aquatic Deuteromycetes as indicators of starch campaign pollution

Shirahata, S. (1964) 10-11005 F
Bull.Fac.Fish.Nagasaki, (17):68-82
(Problems of water quality in food trout production). Ni En

Deals with variation of water quality between upper and downstream ponds. Results of water analyses and relation between oxygen consumption and excretion by trout are discussed.

Smith, A.F.J. (1964) 10-11006 F
Nature,Lond., 203(4941):179-80
Origin of Lake Bosumtwi (Ghana)

Hasler, A.D. (1964) 10-11007 F
BioScience, 14(7):36-8
Experimental limnology

Describes experiments in lakes of Wisconsin; studies on ion transport, plankton migration and aggregation of fishes.

Holden, A.V. (1965) 10-11008 F
Ann.appl.Biol., 55:332-5
Contamination of fresh water by persistent insecticides and their effects on fish

Matsudaira, Y. (1964) 10-11009 F
J.Fac.Fish.Hiroshima, 5(2):499-501
(Chemical composition of pond waters on the islands located in the Seto Inland Sea). Ni En

Results of observations and water analysis with particular respect to chlorinity.

Carbonnel, J.-P. (1964) 10-11010 F
Cah.Pacif., (6):143-69
Rapport d'une première année d'études sédimentologiques sur le bassin du Grand Lac du Cambodge
(Report of first year of sedimentological studies of the basin of the Great Lake of Cambodia)

Determination of the sedimentation balance in terms of materials in suspension, in solution and on the bottom, and account of the topography, stratigraphy and physico-chemical characteristics of the sediments.

Eschner, A.R. & J. Larmoyeux (1963) 10-11011 F
Progr.Fish Cult., 25(2):59-67
Logging and trout: four experimental forest practices and their effect on water quality

Study to determine how four different timber harvesting practices affect water quality and stream flow.

Allbaugh, C.A. (1963) 10-11012 F
Progr.Fish Cult., 25(2):108-9
Reducing the oxygen content of lake water used at the Put-in-Bay hatchery

Method for reducing oxygen in supersaturated supply water.

Järnefelt, H. (1963) 10-11013 F
Ann.zool.Soc.Vanamo, 24(7):1-118
Zur Limnologie einiger Gewässer Finnlands. 14
(Limnology of some of Finland's waters. 14)

Gusev, A.G. (1961) 10-11014 F
In 10-11015
Vliianie promyshlennykh stochnykh vod na rybnoe khoziaistvo vodokhranilishch
(Influence of industrial sewage on the fish economy of reservoirs)

Tiurin, P.V.(Ed.)(1961) 10-11015 F
Izv.gosnd.nauchno-issled.Inst.ozer.rech.ryb. Khoz., 50:456 p.
Vodokhranilishcha SSSR i ikh rybokhoziaistvennoe znachenie
(Reservoirs of the USSR and their importance for the fishing industry)

Contains 10-11014, 10-11016 to 10-11034, 10-11393, 10-12166, 10-13420 to 10-13423.

Smirnov, A.F. (1961) 10-11016 F
In 10-11015
Vygozerskoe vodokhranilishche
(The Vygozerskoe Reservoir)

Denisov, L.I. & E.V. Meisner (1961) 10-11017 F
In 10-11015
Ivan'kovskoe vodokhranilishche
(The Ivan'kovskoe Reservoir)

Antipova, O.P. (1961) 10-11018 F
In 10-11015
Rybinskoe vodokhranilishche
(The Rybinskoe Reservoir)

Kovhevnikov, G.P. (1961) 10-11019 F
In 10-11015
Gor'kovskoe vodokhranilishche
(The Gor'kovskoe Reservoir)

Lukin, A.V. (1961) 10-11020 F
In 10-11015
Kuibyshevskoe vodokhranilishche
(The Kuibyshev Reservoir)

Iakoleva, A.N. (1961) 10-11021 F
In 10-11015
Saratovskoe vodokhranilishche
(The Saratov Reservoir)

Pomerantsev, G.P. (1961) 10-11022 F
In 10-11015
Kamskoe vodokhranilishche
(The Kamskoe Reservoir)

Lapitskii, I.I. (1961) 10-11023 F
In 10-11015
Tsimlianskoe vodokhranilishche
(The Tsimliansk Reservoir)

Makeev, D.B. (1961) 10-11024 F
In 10-11015
Dneprodzerzhinskoe vodokhranilishche
(The Dneprodzerzhinsk Reservoir)

Kononov, V.A. et al. (1961) 10-11025 F
In 10-11015
Dneprovskoe vodokhranilishche
(The Dneprovskoe Reservoir)

Sal'nikov, N.E. (1961) 10-11026 F
In 10-11015
Kakhovskoe vodokhranilishche
(The Kakhovskoe Reservoir)

Abdurakhmanov, Iu.A. (1961) 10-11027 F
In 10-11015
Mingchaurskoe vodokhranilishche
(The Mingchaur Reservoir)

Petkevich, A.N. (1961) 10-11028 F
In 10-11015
Novosibirskoe vodokhranilishche
(The Novosibirsk Reservoir)

Greze, V.N. (1961) 10-11029 F
In 10-11015
Krasnoiarskoe vodokhranilishche
(The Krasnoiarsk Reservoir)

Podlesnyi, A.V. (1961) 10-11030 F
In 10-11015
Bratskoe vodokhranilishche
(The Bratsk Reservoir)

Stepanova, N.A. (1961) 10-11031 F
In 10-11015
Katta-Kurganskoe vodokhranilishche
(The Katta-Kurgansk Reservoir)

Ezhegova, V.E. & V.A. Maksunov (1961) 10-11032 F
In 10-11015
Farkhadskoe vodokhranilishche
(The Farkhadskoe Reservoir)

Antipova, O.P. (1961) 10-11033 F
In 10-11015
Osnovnye svedeniia o sushchestvuiushchikh, stroiashchikhsia i proektiruemykh vodokhranilishchakh SSSR
(Information on reservoirs of the USSR, existing, under construction and planned)

Baranov, I.V. (1961) 10-11034 F
In 10-11015
Opyt biogidrokhimicheskoi klassifikatsii vodokhranilishch evropeiskoi chasti SSSR
(An experiment in biohydrochemical classification of reservoirs in the European part of the USSR)

Lindberg, G.U. (1961) 10-11035 F
Zool.Zh., 40:651-65
Sviaz' evropeiskikh rek s rekami Severnoi Ameriki i Severoatlanticheskii razryv
(Connexion between European rivers and rivers of North America and the North Atlantic fault). En

Lut, B.F. (1961) 10-11036 F
Izv.Akad.Nauk SSSR(geogr.), 4:90-9
Novye dannye o rel'efe dna Iuzhnogo i Srednego Baikala
(New data on the bottom relief of southern and central Baikal)

Nikol'skaia, V.V., D.A. Timofeev & V.P. Chichagov (1961) 10-11037 F
Izv.Akad.Nauk SSSR(geogr.), 5:59-69
Izmenenie prirodnykh uslovii basseina Amura v sviazi s proektiruemyn zaregulirovaniem stoka rek
(Alteration of natural conditions in the Amur basin in relation to the planned regulation of river discharge)

Drozdov, O.A. & T.V. Pokrovskaia (1961) 10-11038 F
Met.i Gidrol., (8):43-8
Ob otsenke roli sluchainykh variatsii vodnogo balansa v kolebanii urovnia neprotochnykh ozer
(An estimate of the part played by random variations of water balance in fluctuations of the level in land-locked lakes)

Leonov, E.A. (1961) 10-11039 F
Met.i Gidrol., (11):43-5
O vychislenii stoka vody zarastaiushchikh rek sposobom lineinoi interpoliatsii
(Use of the linear interpolation method to calculate the discharge of overgrown rivers)

Ianutsh, D.A. (1961) 10-11040 F
Met.i Gidrol., (7):40-2
O markirovke vodnoi poverkhnosti pri aerofotos"emkakh rek
(Marking the surface of the water for aerial photography of rivers)

Zaikov, B.D. (1960)C 10-11041 F
Leningrad, Gidrometeoizdat, 239 p.
Ocherki po ozerovedeniiu
(Limnological studies)

Zhidikov, A.P., A.G. Levin & N.S. Nechaeva (1961) 10-11042 F
Trudy tsent.Inst.Prognozov, 113:112-44
Spetsial'nye gidrometricheskie nabliudeniia v nizhnikh b'efakh GES
(Special underwater hydrometric observations at hydroelectric power stations)

Zhadin, V.I. & S.V. Gerd (1961)C 10-11043 F
Moskva, Uchpedgiz, 599 p.
Reki, ozera i vodokhranilishcha SSSR. Ikh fauna i flora
(The rivers, lakes and reservoirs of the USSR. Their fauna and flora)

Lebedev, V.V. (1961)C 10-11044 F
Leningrad, Gidrometeizdat, 700 p.
Gidrologiia i gidrometriia v zadachakh
(Hydrology and hydrometry by question and answer)

Kurdin, V.P. (1961) 10-11045 F
Trudy Inst.Biol.Vodokhran., 4(7):328-46
Grunty Ivan'kovskogo vodokhranilishcha
(The bottom materials of the Ivan'kovo Reservoir)

Kvasov, D.D. & Iu.P. Seliverstov 10-11046 F
(1961)C
In Ispol'zovanie aerometodoy pri issled. prirodnykh resursov, 257-68
Analiz vodnogo balansa ozer i ego znachenie dlia paleogeografii na primere ozera Zaisan
(Lake Zaisan as an example of the analysis of a lacustrine water balance and its significance for palaeogeography)

Yoshizumi, K. (1964) 10-11047 F
Sci.Rep.Hokkaido Fish Hatch., (19):65-87
(Data on the studies of chemical composition of inland water in Hokkaido (5)). Ni En

Tabulation of chemical constituents.

Ohigashi, S. & T. Kurohagi 10-11048 F
(1964)
Sci.Rep.Hokkaido Fish Hatch., (19):111-31
(Limnological notes of two small lakes in neighbouring of Rumoi City in north Hokkaido).
Ni

Osani, M. & H. Eguchi (1964) 10-11049 F
Sci.Rep.Hokkaido Fish Hatch., (19):105-8
(Recent observation on limnological conditions of Lake Toyoni, Hokkaido). Ni

Eguchi, H. & M. Osanai (1964) 10-11050 F
Sci.Rep.Hokkaido Fish Hatch., (19):95-103
(A preliminary observation of the Shimizusawa Reservoir, with special regard to its suitability for pisciculture). Ni

Ianutsh, D.A. & D.D. Kvasov 10-11051 F
(1961)C
In Ispol'zovanie aerometodov pri issledovanii prirod. resursov 169-75
Raschetnyi sposob otsenki glubin rek po aerosnimkam
(A calculation method for estimating river depth from aerial photographs)

Roll, Ia.V. (1961) 10-11052 F
Trudy Inst.Gidrobiol.,Kiev, 36:94-102
Stepen' azgriazneniia vody Dunaia
(Pollution level in the Danube). En

Nezhikhovskii, R.A. (1961)C 10-11053 F
Leningrad, Gidrometeoizdat, 295 p.
Gidrologicheskie raschety i prognozy pri ekspluatatsii vodokhranilishch i ozer
(Hydrological calculations and forecasts in the exploitation of reservoirs and lakes)

Almazov, A.M. & Iu.G. Maistrenko 10-11054 F
(1961)
Trudy Inst.Gidrobiol.,Kiev, 36:13-36
Gidrologicheskaia i gidrokhimicheskaia kharakteristika sovetskogo uchastka Dunaia
(Hydrological and hydrochemical characteristics of the Soviet area of the Danube). En

Fel'dman, M.B. (1961) 10-11055 F
Trudy Inst.Gidrobiol.,Kiev, 36:204-9
Organicheskoe veshchestvo v donnykh otlozheniiakh pridunaiskikh limanov
(Organic matter in the bottom deposits of the limans in the Danube area). En

Zemlianitsyna, L.A. (1961) 10-11056 F
Trud.Lab.Ozerov., 12:185-92
Nekotorye cherty gidrokhimii gruntovykh vod severnogo poberezh'ia Ladozhskogo ozera
(Some hydrochemical features of the ground waters of the northern coast of Lake Ladoga)

Solov'eva, N.F. (1961) 10-11057 F
Trud.Lab.Ozerov., 12:149-84
Gidrokhimicheskie issledovaniia zalivov
Severnoi Ladogi
(Hydrochemical investigations of the bays of
northern Ladoga)

Forsh, T.B. (1961) 10-11058 F
Trud.Lab.Ozerov., 14:131-75
Ionnyi sostav vody ozer i limanov Nizhnego
Povolzh'ia i Prikaspiiskoi nizmennosti
(Ionic composition of the water of lakes and
limans in the Lower Volga and the Caspian
lowland)

Zakharenkov, I.S. (1960) 10-11059 F
Trudy belorussk.nauchno-issled.Inst.ryb.Khoz.,
3:147-55
K gidrokhimii ozer Belorussii
(The hydrochemistry of Belorussian lakes)

Tsygankov, I.V. (1960) 10-11060 F
Trudy belorussk.nauchno-issled.Inst.ryb.Khoz.,
3:77-105
Formirovanie gidrokhimicheskogo rezhima zimoval'nykh prudov
(Formation of the hydrochemical regime of
hibernating ponds)

Armand, D.L. (1961) 10-11061 F
Izv.Akad.Nauk SSSR(geogr.), 4:58-65
Preobrazovanie prirody v raione Dneprovskikh
vodokhranilishch
(Transformation of nature in the area of the
Dnieper reservoirs)

Abasov, M.A. & B.A. Intonov 10-11062 F
(1961)
Priroda, 7:106-8
Razrushenie beregov Mingechaurskogo vodokhranilishcha
(Bank erosion in the Mingechaur reservoir)

Datsko, V.G. & N.G. Fesenko 10-11063 F
(1961)
Vest.Akad.Nauk SSSR, 9:135-6
Gidrokhimicheskie osnovy kompleksnogo
ispol'zovaniia i okhrany vodnykh resursov.
(Kr. obzor dokl., sdelannykh v Novocherkaske
5-8 maia 1961 g. na 15-m Vses. gidrokhim.
soveshchanii)
(The hydrochemical basis of multi-purpose
utilization and conservation of water
resources. Brief summary of reports to the
15th All-Union Hydrochemical Conference,
Novocherkask, 5-8 May 1961)

Tovbin, M.V. & M.B. Fel'dman 10-11064 F
(1961)
Trudy Inst.Gidrobiol.,Kiev, 36:194-203
Gidrokhimicheskaia kharakteristika
pridunaiskikh vodoemov
(Hydrochemical characteristics of inland
waters in the Danube area). En

Guseinov, M.M. (1961) 10-11065 F
Izv.Akad.Nauk azerb.SSR(biol.sel.-khoz), 6:
67-74
O gidrokhimicheskom rezhime Mingechaurskogo
vodokhranilishcha
(The hydrochemical regime of the Mingechaur
reservoir). Az Ru

Votintsev, K.K. (1961) 10-11066 F
Trudy baikal'.limnol.Sta., 20:30-309
Gidrokhimiia ozera Baikal
(The hydrochemistry of Lake Baikal)

Balabanova, Z.M. (1961) 10-11067 F
Trudy ural'.Otd.gos.nauchno-issled.Inst.ozer.
rech.ryb.Khoz., 5:38-104
Gidrokhimicheskaia kharakteristika Kamskogo
vodokhranilishcha (1954-1959 gg.)
(A hydrochemical description of the Kama
reservoir between 1954 and 1959)

Trifonova, N.A. (1961) 10-11068 F
Trudy Inst.Biol.Vodokhran., 4(7):321-7
Gidrokhimicheskaia kharakteristika
Uglichskogo vodokhranilishcha po materialam
1955-1958 gg.
(Hydrochemical characteristics of the Uglich
reservoir from materials collected between
1955 and 1958)

Baranov, I.V. (1961) 10-11069 F
Trudy Inst.Biol.Vodokhran., 4(7):294-320
Termicheskii i gidrokhimicheskii rezhim Gor'kovskogo vodokhranilishcha
(The thermal and hydrochemical regime of the Gor'kii reservoir)

USSR. Sovet po voprosam vodnogo khoz-va (1961)C 10-11070 F
Moskva, Izd. AN SSSR, 248 p.
Upravlenie poverkhnostymi i podzemnymi vodnymi resursami.i ikh ispol'zovanie
(Control and utilization of surface and subterranean water resources)

Contains 10-10890, 10-11071, 10-13444, 10-13445.

Krasnozhon, G.F. & A.G. Sidorova (1961)C 10-11071 F
In 10-11070
Transformatsiia voln na melkovod'e
(Wave distortion in shallow water)

Tarasov, M.N. (1961) 10-11072 F
Met.i Gidrol., 11:41-2
O vliianii gidrologicheskikh uslovii na mineralizatsiiu vody v ozere Balkhash
(The effect of hydrological conditions on mineralization of the water in Lake Balkhash)

USSR. Gosudarstvennyi Gidrobiologicheskii Institut (1961) 10-11073 F
Trudy gos.gidrol.Inst., 88:136 p.
Gidravlika i morfologiia estestvennykh potokov i vodoemov
(The hydraulics and morphology of natural watercourses and ponds)

Contains 10-11074 to 10-11079.

Iakunin, I.I. (1961) 10-11074 F
In 10-11073
Primenenie gidromorfologicheskikh zavisimostei k otsenke pereformirovaniia rusla r. Irtysha pod vliianiem regulirovaniia stoka
(The use of hydromorphological relations to evaluate the modification of the bed of the Irtysh under the influence of regulation of discharge)

Grigor'eva, O.G. (1961) 10-11075 F
In 10-11073
Sopostavlenie raschetnykh i estestvennykh profilei beregovykh otmelei
(Comparison of calculated and natural profiles of coastal shallows)

Noskov, V.G. (1961) 10-11076 F
In 10-11073
Obrazovanie i razvitiia ostrovov v rusle r. Markhi
(Formation and development of islands in the channel of the River Markha)

Iakunin, I.I. (1961) 10-11077 F
In 10-11073
Sviaz' ruslovykh deformatsii s rezhimom stoka i ustoichivost'iu gruntov
(The relation of channel distortions to flow regime and the stability of bed deposits)

Gordikov, A.V. & M.V. Rossomakhin (1961) 10-11078 F
In 10-11073
Poperechnye uklony vodnoi poverkhnosti zatoplennoi poimy na primere r. Irtysha
(Transverse gradients of the water surface of a flooded catchment basin, taking the R. Irtysh as an example)

Znamenskaia, N.S. (1961) 10-11079 F
In 10-11073
Analiz poter' energii v potoke s griadovym dnom
(Analysis of energy loss in a watercourse with a ridged bottom)

King, D.L. & R.C. Ball (1964) 10-11080 F
J.Wat.Poll.Contr.Fed., 36:650-3
A quantitative biological measure of stream pollution

Bizollon, Ch.A. & R. Moret (1964) 10-11081 F
Chem.anal., 46:273-85
Use of γ-ray spectrometry for qualitative and quantitative analysis of trace amounts of radionuclides in water

Faust, S.D. & O.M. Aly (1964) 10-11082 F
J.Amer.Wat.Wks Ass., 56:267-79
Water pollution by organic pesticides

Scott, R.H. (1964) 10-11083 F
J.Wat.Poll.Contr.Fed., 36:342-4
Miniaturised dissolved oxygen field kit

Weiss, C.M. & J.H. Gakstatter (1964) 10-11084 F
J.Wat.Poll.Contr.Fed., 36:240-53
Detection of pesticides in water by biochemical assay

Satomi, Y. (1963) 10-11085 F
Bull.Freshw.Fish.Res.Lab.,Tokyo, 13(1):1-6
(Untersuchungen über die Alkalinität des Süsswassers. 4. Herausgelöste Menge beim Kontakt mit den verschiedenen Gesteinen)
(Investigations on the alkalinity of freshwater. 4. The amount dissolved out from contact with various types of rock).
Ni De

Examination of the amount of alkalinity passing into water passing over various types of rock according to period of contact (rock/water) water temperature, amount of dissolved carbonic acid, and aeration; the results being used for choice of rock to place in aquarium filters.
Co 9-04095.

Satomi, Y. (1963) 10-11086 F
Bull.Freshw.Fish.Res.Lab.,Tokyo, 13(1):7-11
(Untersuchungen über die Alkalinität des Süsswassers. 5. Änderung der Alkalinität durch Exkrete des Goldfisches und der Einfluss der Exkrete auf dem Phytoplanktonwuchs)
(Investigations on the alkalinity of freshwater. 5. Variations of alkalinity due to the excreta of goldfish and the influence of the excreta on phytoplankton growth). Ni De
co 10-11085.

Van Oosten, J. (1963) 10-11087 F
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (413)
Surface currents of Lake Michigan, 1931 and 1932

Seven hundred forty-five bottles containing post cards for recording of information were released at stations in Lake Michigan. One hundred eighty-six bottles or 65.7 percent of those released in 1931, 331 bottles or 71.6 percent of 1932 releases, and 517 bottles or 69.4 percent of releases in the 2 years were recovered. Recoveries of bottles from both years indicated that the surface currents were somewhat variable, but their general direction was from west to east and predominately northeast in 1931 and northeast and southeast in 1932.

McCauley, R.N. (1964)C 10-11088 F
Thesis, Cornell University, 185 p.
The biological effects of oil pollution in a river

DA 25(8)4373.

Shea, J.H. (1964)C 10-11089 F
Thesis, University of Illinois, 99 p.
Petrology and stratigraphy of sediments from southern and central Lake Michigan

DA 25(8)4656.

Kennedy, H.D. (1964) 10-11090 F
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (481):5 p.
Air and water temperatures and stream flow data from Convict Creek, Mono County, California 1950 to 1962

Daily records, with monthly and annual means. The 13-year means were water temperature 47.6 degrees F., air temperature 44.6 degrees F., and stream flow 22.3 c.f.s.

Harrison, A.D. (1965) 10-11091 F
Arch.Hydrobiol., 61(3):380-6
River zonation in southern Africa

Cushing, E.J. & H.E. Wright Jr. (1965) 10-11092 F
Ecology, 46(3):380-4
Hand-operated piston corers for lake sediments

Olszewski, P. (1963) 10-11093 F
Schweiz.Z.Hydrol., 25(1):1-8
Wirbelströmungen in den Hypolimnien der Seen
(The whirlstreams in the hypolimnions of lakes)

Obenaus, R. (1963) 10-11094 F
Schweiz.Z.Hydrol., 25(1):9-29
Huminsäuren natürlicher Gewässer
(The humusacids of natural waters)

Mann, H. (1963) 10-11095 F
Fischwirt, 13(11):313-8
Die Bedeutung der physikalischen und chemischen Eigenschaften eines Gewässers für die Beurteilung von Fischsterben
(Significance of physical and chemical properties of waters for assessment of death-rate of fish)

Chudoba, J. (1963) 10-11096 F
Sborn.vys.Sk.chem.-technol.,Praha, 7(2):33-45
The treatment of industrial waste waters by activated sludge process with complete mixing. Cs Ru

Nehring, D. (1963) 10-11097 F
Dtsch.Fisch.-Ztg., 10(6):155-7
Fischsterben in der Deutschen Demokratischen Republik während des Abflussjahres 1962
(Fish mortality in the German Democratic Republic in the pollution year 1962)

Lists cases, notes details, causes where known.

Chalupa, J. (1963) 10-11098 F
Sborn.vys.Sk.chem.-technol.,Praha, 7(1):17-55
Humic acids in water. 1. Methods of preparation and determination. Cs Ru

Chalupa, J. (1963) 10-11099 F
Sborn.vys.Sk.chem.-technol.,Praha, 7(1):57-131
Humic acids in water. 2. Treatment of analytical data. Cs Ru

Co 10-11098.

Sládečková, A. & V. Sládeček (1963) 10-11100 F
Sborn.vys.Sk.chem.-technol.,Praha, 7(1):507-61
Periphyton as indicator of the reservoir water quality. 1. True-periphyton. Cs Ru

Kaplin, V.T. (1961) 10-11101 F
Gidrokhim.Mater., 32
Opredelenie iona ammoniia v okrashennykh i mutnykh prirodnykh vodakh
(Determination of the ammonia ion in coloured and turbid natural waters)

Baranov, V.A., F.F. Zibol'd & L.N. Popov (1961) 10-11102 F
Gidrokhim.Mater., 32
Oput gidrolo-gidrokhimicheskikh issledovanii na vodokhranilishchakh Donbassa
(Experience of hydrological and hydrochemical investigations in the reservoirs of the Donbas)

Posokhov, E.V. (1961) 10-11103 F
Gidrokhim.Mater., 32
Gidrokhimiia nizov'ev r. Chu.
(Hydrochemistry of the lower reaches of the River Chu)

Veselovskii, N.V. & I.A. Goncharova (1961) 10-11104 F
Gidrokhim.Mater., 32
O soderzhanii broma i ioda v vode prudov nekotorykh zasushlivykh raionov
(Bromium and iodine content of pond water in certain arid districts)

Alekin, O.A. (1961) 10-11105 F
Gidrokhim.Mater., 32
Sostoianie i zadachi prognozirovaniia kachestva vody
(Forecasting the quality of water: the present situation and tasks)

Braslavskii, A.P. (1961) 10-11106 F
Gidrokhim.Mater., 32
Raschet mineralizatsii vody v vodokhranilishchakh
(Calculating the mineral content of reservoir water)

Denisova, A.I. & A.M. Almazov (1961) 10-11107 F
Gidrokhim.Mater., 32
Prognoz mineralizatsii vody kakhovskogo vodokhranilishcha i ego opravdyvaetmost'
(Forecasting the mineral content of water in the Kakhovka reservoir; the economic justification for the preparation of forecasts)

Kriventsov, M.I. (1961) 10-11108 F
Gidrokhim.Mater., 32
K voprosu o roli beregovykh otlozhenii v solevom balanse vodokhranilishcha na primere Karlovskogo vodokhranilishcha
(The Karlovka reservoir as an example of the role of shore deposits in the salt balance of a reservoir)

Zenin, A.A., Vi.I. Rogozhin & N.G. Fesenko (1961) 10-11109 F
Gidrokhim.Mater., 32
O kharaktere peremeshcheniia vodnykh mass v priplotinnoi chasti Tsimlianskogo, Gor'kovskogo, Kuibyshevskogo i Stalingradskogo vodokhranilishcha
(The pattern of water mixing around the dam in the Tsimliansk, Gor'kii, Kuibyshev and Stalingrad reservoirs)

Zhaggar, K.B. & M.I. Kholodova (1961) 10-11110 F
Gidrokhim.Mater., 32
Khimicheskii sostav l'da r. Voronezh
(Chemical composition of the ice of the River Voronezh)

Zenin, A.A. & V.L. Vasil'eva (1961) 10-11111 F
Gidrokhim.Mater., 32
Rezhim biogennykh i organicheskikh veshschestv i gazovogo sostava v vode Volgi do ee zaregulirovaniia (1954-1955 gg.)
(The regime of biogenic and organic matter and gaseous composition of Volga water before regulation of the river: 1954-1955)

Burdykina, A.P. (1961) 10-11112 F
Trudy arkt.antarkt.nauchno-issled.Inst., 213
Metod prognoza zamerzaniia nizov'ev r. Leny
(A method of forecasting freezing of the lower reaches of the Lena)

Zhuravlev, M.M. (1961) 10-11113 F
Met.i Gidrol., 4:37
K voprosu o maksimal'nykh raskhdakh r. Dnepra u g. Kanaeva
(A note on the maximum discharge of the Dnieper at Kanaev)

Antonov, V.S. (Ed.) (1961) 10-11114 F
Trudy arkt.antarkt.nauchno-issled.Inst., 213:178 p.
Gidrologiia rek Sovetskoi Arktiki. 4
(Hydrogeology of the rivers of the Soviet Arctic. 4)

Pecherkin, I.A. (1961) 10-11115 F
Izv.Akad.Nauk SSSR (geogr.), 2:63-8
Karst na beregakh Kamskogo vodokhranilishcha
(Karst topography on the banks of the Kama reservoir)

Shcheglova, O.P. (1961) 10-11116 F
Izv.Akad.Nauk SSSR (geogr.), 3:19-27
K voprosu o klassifikatsii rek Srednei Azii po tipu ikh pitaniia
(A note on the classification of Central Asian rivers by their type of alimentation)

Skadovskii, S.N., 10-11117 F
V.I. Uspenskaia & N.A. Levshina (1961)
Nauch.Dokl.vyssh.Shk.(biol.), 2:127-31
Uluchshenie kachestva rechnoi vody s
pomoshch'iu biopoglotitelia i okislitelia.
(The use of a biological absorbing and
oxidizing agent to improve the quality of
river water)

Novoselov, A.F. (1961) 10-11118 F
Met.i Gidrol., 4:35-6
Metodika dolgosrochnogo prognoza
osennikh ledovykh iavlenii na rekakh
Zabaikal'ia
(Long-term forecasting procedure for
autumn icing conditions in the rivers of
the Transbaikal area)

Zubenko, F.S. (1961) 10-11119 F
In 10-10917
Primenenie aerofotos'emki izucheniia
pererabotki beregov vodokhranilishch
(The use of aerial photography to investigate
modification of reservoir banks)

Zemlianitsyna, L.A. (1961) 10-11120 F
Trudy Lab.Ozerov., 14:176-205
Gruntovye vody kotlovin besstochnykh ozer
Nizhnego Povolzh'ia i Prikaspiiskoi
nizmennosti
(Ground waters of the basins of lakes without
outlets in the Lower Volga and the Caspian
Lowland)

Shnitnikov, A.V. (1961) 10-11121 F
Trudy Lab.Ozerov., 14:10-88
Dinamika vodnykh resursov basseina Arala v
svete ego klimaticheskikh transgressii
(Dynamics of the water resources of the
Aral basin in the light of its climatic
transgressions)

Izotova, A.F. (1961) 10-11122 F
Trudy Lab.Ozerov., 12:60-78
Isparenie i turbulentnyi teploobmen v
severozapadnoi chasti Ladozhskogo ozera
(Evaporation and turbulent heat exchange
in the north-west of Lake Ladoga)

Matreninskaia, Z.D. (1961) 10-11123 F
Trudy Lab.Ozerov., 14:250-7
Pogloshchenie solnechnoi radiatsii vodnymi
massami Uspenskogo vodokhranilishcha
(Absorption of solar radiation by the waters
of the Uspenskoe Reservoir)

Okhlopkova, A.N. (1961) 10-11124 F
Trudy Lab.Ozerov., 12:111-27
Vetrovaia tsirkuliatsiia v zalivakh severo-
zapadnoi chasti Ladozhskogo ozera
(Wind circulation in the inlets of north-
western Lake Ladoga)

Popov, E.A. (1961) 10-11125 F
Trudy Lab.Ozerov., 12:5-24
Fiziko-geograficheskaia kharakteristika
shkhernoi chasti Ladozhskogo ozera
(A physiographic description of the skerry
areas of Lake Ladoga)

Shnitnikov, A.V. (1961) 10-11126 F
Trudy Lab.Ozerov., 14:89-130
Ozera Nizhnego Povolzh'ia i Prikaspiiakoi
nizmennosti
(The lakes of the Lower Volga and the Caspian
Lowland)

USSR. Akademiia Nauk. Labora- 10-11127 F
toriia Ozerovedeniia (1961)
Trud.Lab.Ozerov., 13:248 p.
Gidrologicheskii rezhim malykh vodoemov
Kurskoi oblasti
(Hydrological regime of small ponds and
lakes of the Kursk region)

Contains: 10-11128 to 10-11135.

Lopatin, G.V. (1961) 10-11128 F
In 10-11127
Issledovaniia malykh vodoemov Kurskoi
oblasti v 1956-1958 gg
(Investigations of the small ponds and
lakes of the Kursk region in 1955-1958)

Forsh, L.F. (1961) 10-11129 F
In 10-11127
Isparenie s vodnoi poverkhnosti malykh vodoemov Kurskoi oblasti i nektorye cherty dinamiki ikh vodnykh mass
(Surface evaporation of small ponds and lakes in the Kursk region and some of the dynamic features of their water masses)

Sorokin, I.N. (1961) 10-11130 F
In 10-11127
Vodnyi balans malykh vodoemov Kurskoi oblasti na primere Borshchenskogo i Berezovskogo vodoemov
(The water balance of small ponds and lakes of the Kursk region, taking as an example the Borshchenskoe and Berezovskoe lakes)

Iakovleva, I.B. (1961) 10-11131 F
In 10-11127
Kharakteristika donnykh otlozhenii Borshchenskogo vodokhranilishcha
(A description of the bottom deposits of the Borshchenskoe reservoir)

Degopik, I.Ia. (1961) 10-11132 F
In 10-11127
Gidrokhimicheskii rezhim Borshchenskogo vodokhranilishcha
(The hydrochemical regime of the Borshchenskoe Reservoir)

Lopatin, G.V. (1961) 10-11133 F
In 10-11127
Izuchenie protsessov zaileniia malykh vodoemov v usloviiakh Kurskoi oblasti
(Investigation of silting processes in small ponds and lakes in the conditions appertaining in the Kursk region)

Frolov, V.Ia. (1961) 10-11134 F
In 10-11127
Razvitie vodnoi erozii v usloviiakh Kurskoi i Voronezhskoi oblastei
(Development of water erosion in the conditions appertaining in the Kursk and Voronezh regions)

Sorokin, I.N. & L.V. Iakovleva (1961) 10-11135 F
In 10-11127
Nekotorye rezul'taty obsledovaniia zailennosti vodoemov iugo-zapadnoi chasti Kurskoi oblasti
(Some results of an examination of the silting of lakes and ponds in the south-west of the Kursk region)

Okhlopkova, A.N. (1961) 10-11136 F
Okeanologiia, 1:1025-33
Opyt primeneniia dinamicheskogo metoda k izucheniiu tsirkuliatsii vod Ladozhskogo ozera
(An attempt to apply the dynamic method to investigation of water circulation in Lake Ladoga)

Skadovskii, S.N. (Ed.)(1961)C 10-11137 F
Moscow State Univ.Biol.Fac., 363 p.
Biotsenozy obrastanii v kachestve biopoglotitelia. Novyi sposob predvaritel'noi ochistki vody dlia tselei vodosnabzheniia
(Fouling biocoenoses as a biological absorbing agent. A new method for preliminary purification of water for water-supply purposes)

Contains 10-11138, 10-12013 to 10-12017, 10-12212 to 10-12222.

Skadovskii, S.N. (1961)C 10-11138 F
In 10-11137
Perspektivy biofizikokhimicheskikh metodov podgotovki vody dlia tselei vodosnabzheniia
(The potential scope of biophysical and chemical methods of preparing water for water supply purposes)

Lut, B.F. (1961) 10-11139 F
Dokl.Akad.Nauk SSSR, 140:201-3
O strukture tsentral'noi kotloviny oz. Baikal
(The structure of the central depression of Lake Baikal)

Sukharev, I.P. (1961) 10-11140 F
Met.i Gidrol., 12:35-40
Eksperimental'nye issledovaniia transformatsii maksimal'nykh raskhodov vodokhranilishchami i prudami
(Experimental investigations of transformation of the maximum discharge of reservoirs and ponds)

Smirnova, N.P. (1961) 10-11141 F
Trud.Lab.Ozeroved.Akad.Nauk SSSR, 12:35-59
Radiatsionnye elementy teplovogo balansa shkhernogo raiona Ladozhskogo ozera
(Radiation elements of the heat balance in the skerry area of Lake Ladoga)

Svanidze, G.G. (1961) 10-11142 F
Dokl.Akad.Nauk SSSR, 140:1394-6
Primenenie metoda Monte-Karlo k zadacham regulirovaniia rechnogo stoka
(Application of the Monte Carlo method to problems concerned with the regulation of river discharge)

Chebotarev, A.I. (Ed.)(1961)C 10-11143 F
Leningrad, Gidrometeoizdat, 174 p.
Sbornik rabot po gidrologii, No. 2
(Collected hydrographical papers, No. 2)

Contains 10-11144 to 10-11161.

Polonskii, I.A. (1961)C 10-11144 F
In 10-11143
Uchet stoka pri ego sutochnom khode v period vesennego snego taianiia na rekakh Zabaikal'ia
(Calculation of the daily variation of river discharge during the period of the spring thaw on Transbaikalian rivers)

Ermolov, V.N. (1961)C 10-11145 F
In 10-11143
Vychislenie ezhednevnykh raskhodov vody pri peremennom podpore ot osnovnoi reki
(Calculation of daily discharges of water when the level of the main river varies)

Vlasenko, V.S. (1961)C 10-11146 F
In 10-11143
Vspuchivanie rechnogo dna pri promerzanii i vliianie ego na sviaz' raskhoda s urovnem
(Heaving of the river bed during freezing and its effect on the relationship between discharge and level)

Aleksandrov, V.N. (1961)C 10-11147 F
In 10-11143
Gidrostaticheskii vodomernyi post s pnevmaticheskoi distantsionnoi peredachei urovnia vody
(A hydrostatic water gauge station with pneumatic long-range transmission of water level)

Belykh, F.I. (1961)C 10-11148 F
In 10-11143
Vyshka dlia nabliudenii na vodoemakh
(A reservoir observation tower)

Nikulin, P.I. (1961)C 10-11149 F
In 10-11143
Rezhim urovnei vgonno-nagonnye iavleniia na Kuibyshevskom vodokhranilishche
(Levels and rise and fall phenomena in the Kuibyshev Reservoir)

Nikulin, P.I. (1961)C 10-11150 F
In 10-11143
Vysotnaia uviazka vodpostov na Kuibyshevskom vodokhranilishche metodom vodnoi nivelirovki
(Height connection of water gauges on the Kuibyshev Reservoir by the method of water levelling)

Vaisband, V.B. (1961)C 10-11151 F
In 10-11143
Nekotorye rezul'taty nabliudenii na Rybinskom vodokhranilishche
(Some results of observations on the Rybinsk Reservoir)

Avedikov, S.S. (1961)C 10-11152 F
In 10-11143
Izmereniia prozrachnosti i mutnosti vody Proletarskogo vodokhranilishcha
(Measurements of translucence and turbidity in the water of the Proletarskoe Reservoir)

Duginov, V.I. (1961)C 10-11153 F
In 10-11143
O sviazi mnogoletnikh tsiklicheskikh kolebanii gidrologicheskikh, meteorologicheskikh i biologicheskikh faktorov s kolebaniiami solnechnoi aktivnosti
(The connection between long-term cyclic fluctuations of hydrological, meteorological and biological factors and fluctuations in solar activity)

Kucheriavyi, P.P. (1961)C 10-11154 F
In 10-11143
Srednii mnogoletnii stok Severnogo Kavkaza
(The mean annual discharge of the rivers of the Northern Caucasus averaged over a period of years)

Blokhinov, E.G. (1961)C 10-11155 F
In 10-11143
O vybore formuly dlia otsenki veroiatnoi povtoriaemosti kharakteristik rechnogo stoka
(Selection of a formula for evaluation of the probable recurrence of river discharge characteristics)

Alekseev, G.A. (1961)C 10-11156 F
In 10-11143
K voprosu o vybore formuly dlia otsenki veroiatnoi povtoriaemosti kharakteristik rechnogo stoka
(A note on selection of a formula for evaluating the probable recurrence of river discharge characteristics)

Davydov, N.K. (1961)C 10-11157 F
In 10-11143
O vnutrisutochnom kolebanii stoka malykh rek
(Variations in the discharge of small rivers during the course of a day)

Kliueva, K.A. (1961)C 10-11158 F
In 10-11143
Raionirovanie territorii BSSR po odnotipnym usloviiam formirovaniia minimal'nogo stoka rek
(Zonation of the Belorussian Soviet Republic into areas in which conditions governing the formation of minimum river discharge are uniform)

Tsomaia, V.Sh. & N.M. Kisin (1961)C 10-11159 F
In 10-11143
Osobennosti formirovaniia stoka lednikovykh rek Vostochnogo Kavkaza
(Features of the discharge pattern of the glacial rivers of the Eastern Caucasus)

Kislyi, N.M. (1961)C 10-11160 F
In 10-11143
Uklony i vysotnoe polozhenie vodosborov Severnogo Priazov'ia
(Gradients and the altitude of water basins in the Northern Azov region)

Sokolov, A.A. (1961)C 10-11161 F
In 10-11143
O zonal'nykh i azonal'nykh faktorakh stoka
(Zonal and azonal runoff factors)

Andrushaitis, G. (1964)B 10-11162 F
Trudy Nauk.Tekh.latviisk.SSR, (7):42-3
(Prospects for utilization of the lakes of Latvia). Ru

Andrushaitis, G. (1964)C 10-11163 F
OTS TT-64-51324:5 p.
Prospects for utilization of the lakes of Latvia

En 10-11162.
Available from U.S. Department of Commerce, Washington D.C.

Herbert, D.W.M. & D.S. Shurben (1964) 10-11164 FG
Ann.appl.Biol., 53:33-41
The toxicity to fish of mixtures of poisons
1. Salts of ammonia and zinc

Experiments with rainbow trout in solutions of ammonium chloride and zinc sulphate to examine the empirical rule that a mixture of two poisons, P and Q, should be at the threshhold concentration for acute toxicity when Ps/Pt plus Qs/Qt equals 1 where the suffix S stands for the concentration in solution and T for the threshhold concentration of a poison when tested by itself.
FiB:sjh

ANON. (1963) 10-11165 FG
Chem.Engng News, 41(32):44-5
Dissolved oxygen analyser adapted for field use

Describes a portable battery-operated instrument.
WPA 37(3)411.

ECLA (UN) Secretariat (1963)C 10-11166 FG
E/CN.12/670, Add.2, 57 p.
Los recursos naturales en America Latina, su conocimiento actual e investigaciones necesarias en este campo. 2. El agua (The natural resources of Latin America, present knowledge of them and the investigations necessary in this field. 2. Water)

Gives background information about hydrological regimes, limits of basins and water sheds etc., but without specific reference to fisheries. Ad 10-10209, CR 10-12384.
Paper contributed to Economic Commission for Latin America, 10th session, May 1963, Mar del Plata, Argentina.

Creager, J.S., D.A. McManus & E.E. Collias (1962) 10-11167 G
J.sediment.Petrol., 32(4):833-9
Electronic data processing in sedimentary size analysis

A technique for processing sediment size data is presented which includes standard size distribution parameters as well as those suggested by Trask, Inman, and Folk and Ward.

Berlyand, T.G. (1960) 10-11168 G
M.5210. From Teplovoi i vodnyi rezhim zemnoi poverkhnosti (Heat and water regime of the world surface), Gidrometizdat, pp. 14-22
Global distribution of solar radiation

Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Kalinin, G.P. (1960) 10-11169 G
M.5211. From Teplovoi i vodnyi rezhim zemnoi poverkhnosti (Heat and water regime of the world surface), Gidrometizdat, pp. 42-7
General problems in water balance studies

Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Svets, M.E. (1960) 10-11170 G
M.5214. From Teplovoi i vodnyi rezhim zemnoi poverkhnosti (Heat and water regime of the world surface), Gidrometizdat, pp. 96-106
The fundamental problems of the theory of climate

Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Yasui, M., T. Umezaki & S. Sato (1964) 10-11171 G
Oceanogr.Mag., 15(2):81-3
Short note on the operational breadth of level-winders of hydrographical winches

Approximate relation between operational breadth of level winders and actual breadth of packed coil on the drum.

Volkov, V.G. (1963) 10-11172 G
M.5128
Expeditionary electrosalinometer

En V.G. Volkov, 1959.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

ANON. (1962) 10-11173 G
TID-16123:74 p.
The measurement of environmental radiation

Available from IAEA, Vienna, Austria.

Davis, J.J., W.C. Hanson & D.G. Watson (1963) 10-11174 G
In 9-10031
Some effects of environmental factors upon accumulation of world-wide fallout in natural populations

Sawara, T. (1964) 10-11175 G
J.oceanogr.Soc.Japan, 20(4):155-9
(On the standard correction graph for reversing thermometer). Ni En

Attempt to develop a graph for common use to eliminate the necessity of making separate correction graphs for each thermometer.

Alekin, O.A. (1961) 10-11176 G
Gidrokhim.Mater., 32
K voprosu o meste gidrokhimii sredi estestvennykh nauk
(The status of hydrochemistry as a natural science)

Ostroumov, E.A. & I.I. Volkov (1961) 10-11177 G
Trudy Inst.Okeanol., 47:150-8
Otdelenie zheleza, aliminiia, khroma ot margantsa, nikelia, kobal'ta i tsinka pri pomoshchi korichnoi kisloty
(Separation of iron, aluminium, and chromium from manganese, nickel, cobalt and zinc with cinnamic acid)

PLANKTON

Berrill, M. (1962) 10-11178 M
Canad.J.Zool., 40(7):1249-62
The biology of three New England Stauromedusae, with a description of a new species

Describes Lucernaria quadricornis, Haliclystus salpinx and Thaumatoscyphus atlanticus n.sp. in terms of their structure and activity, with particular reference to the importance of size and of the relative significance and structure of marginal anchors.

Colebrook, J.M. & G.A. Robinson 10-11179 M
(1964)
Bull.Mar.Ecol., 6(3):52-69
Continuous plankton records: annual variations of abundance of plankton 1948-1960

Sampling with the continuous plankton recorder at a standard depth of 10 m in the North Sea and the north-eastern Atlantic is used to provide estimates of the mean annual abundance of 17 species of phytoplankton and 17 species of zooplankton. Correlation analyses were carried out on the sets of estimates.
FiB:ter

Colebrook, J.M. (1964) 10-11180 M
Bull.Mar.Ecol., 6(3):78-100
Continuous plankton records: a principal component analysis of the geographical distribution of zooplankton

Sampling with the continuous plankton recorder at a standard depth of 10 m in the North Sea and the north-eastern Atlantic is used to provide data on the geographical distribution of zooplankton. A principal component analysis was carried out on the geographical distribution of 22 species.

Edwards, C. (1964) 10-11181 M
J.Mar.biol.Ass.U.K., 44:725-52
On the hydroids and medusae Bougainvillia pyramidata and B. muscoides

Parke, M. & D.G. Rayns (1964) 10-11182 M
J.Mar.biol.Ass.U.K., 44:209-17
Studies on marine flagellates. 7. Nephroselmis gilva sp.nov. and some allied forms

Newell, G.E. & R.C. Newell 10-11183 M
(1963)BC
London, Hutchinson's biological monographs, 207 p.
Marine plankton - a practical guide

A.J.S. (1964) 10-11184 M
J.Mar.biol.Ass.U.K., 44(2):548-9
Marine plankton - a practical guide

Re 10-11183.

Spencer, C.P. (1964) 10-11185 M
J.Cons., 28(3):327-34
The estimation of phytoplankton pigments

A comparison of the performance of millipore and glass fibre filter papers for collecting natural populations of marine phytoplankton organisms prior to pigment analysis being made. When populations do not include significant proportions of the smaller forms, the use of glass fibre filter is satisfactory and more convenient.

Musienko, L.N. (1963) 10-11186 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):239-69
Ikhtioplankton Beringova moria (po materialam beringovomorskoi ekspeditsii TINRO i VINRO 1958-1959 gg.)
(Ichthyoplankton of the Bering Sea. (Data of the TINRO-VINRO Bering Sea expedition in 1958-1959))

Discusses data on collected eggs and fry of 32 spp. of Osmeridae, Gadidae, Scorpaenidae, Hexagrammidae, Pleuronectidae, Bathymasteridae Stichaeidae, Ammodytidae, Cottidae, Agonidae, Liparidae, Argentinidae, Myctophidae, Macruridae.
FAO:orloff

Sorokin, Iu.I. (1962)B 10-11187 M
Okeanologiia, 5:888-97
(Problem in the sampling method used for the study of marine microflora). Ru

Sorokin, Yu.I. (1963) 10-11188 M
5828.4(5 317)
Problem in the sampling method used for the study of marine microflora

En 10-11187.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Zaitsev, Yu.P. (1963) 10-11189 M
5828.4(5 319)
The collection of pelagic eggs and fish larvae in parts of the sea not subject to appreciable freshening

En Iu.P. Zaitsev, 1959.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Hardy, A.C. & R.H. Kay (1964) 10-11190 M
J.Mar.biol.Ass.U.K., 44:435-84
Experimental studies of plankton luminescence

Deevey, G.B. (1964) 10-11191 M
J.Mar.biol.Ass.U.K., 44(3):589-600
Annual variations in length of copepods in the Sargasso Sea off Bermuda

Fisher, L.R., S.K. Kon & S.Y. Thompson (1964) 10-11192 M
J.Mar.biol.Ass., 44(3):685-92
Vitamin A and carotenoids in certain invertebrates. 7. Crustacea: Copepoda

Brouardel, J. & E. Rinck (1963) 10-11193 M
Ann.Inst.océanogr.,Paris, 40(2):111-64
Mesure de la production organique en Méditerranée dans les parages de Monaco, à l'aide du ^{14}C
(Measurement of organic production in the Mediterranean Sea in the vicinity of Monaco, using the ^{14}C method)

Discusses the basis of this method, describes the technique used and the results obtained in various seasons.

Subrahmanyan, R. & R. Sen Gupta (1963) 10-11194 M
Proc.Indian Acad.Sci.(B), 57:1-14
Studies on the plankton of the east coast of India. 1. Seasonal variation in the fat content of the plankton and its relationship to phytoplankters and fisheries

BSEA 9(3)1829.

Zaitsev, Iu.P. (1961)B 10-11195 M
Zool.Zh., 40(6):818-25
(Surface pelagic biocoenosis of the Black Sea). Ru

Zaitsev, Yu.P. (1963) 10-11196 M
5828.4(5 316)
Surface pelagic biocenosis of the Black Sea

En 10-11195.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Komarovsky, B. (1962) 10-11197 M
Bull.Sea Fish.Res.Sta.,Haifa, (30):48-56
Tintinnia from the vicinity of the Straits of Tiran and Massawa region

Issued also as: Contr.Knowl.Red.Sea, (25).

Daniel, R. & A. Daniel (1963) 10-11198 M
J.mar.biol.Ass.India, 5(2):185-220
On the siphonophores of the Bay of Bengal
1. Madras coast

29 spp. collected from Madras coast during 1952-54; and 1956-60 are described. 21 spp. are new to the region.

Iizuka, S. & H. Irie (1963) 10-11199 M
Bull.Fac.Fish.Nagasaki, (15):92-9
Electron micrographic study on the marine diatoms, especially Skeletonema costatum (Grev.) Cleve

14 photographs from electron micrographs with explanation of each.

Iizuka, S. (1963) 10-11200 M
Bull.Fac.Fish.Nagasaki, (15):100-15
(Depression of activity of the phytoplankton preserved in dark condition and the abnormal types of spectral absorption curve as its result). Ni En

Microscopic and spectrophotometric observation of changes in cell number, species composition, disappearance of chromatophores etc., and change of absorption spectra.

Motoda, S. (1963) 10-11201 M
Publ.Seto Mar.biol.Lab., 11(2):209-62
Corycaeus and Farranula (Copepoda, Cyclopoida) in Hawaiian waters

Attempt to extend knowledge of distribution, based upon taxonomic study of specimens collected in Hawaiian waters. 16 spp. are described and ill.

Rajan, C.T. (1963) 10-11202 M
J.Mar.biol.Ass.India, 5(2):314-6
On the larval stages of Solmundella bitentaculata Browne

Ill. description.

Seno, J., Y. Komaki & A. Takeda (1963) 10-11203 M
J.Tokyo Univ.Fish., 50(1):1-10
Reports on the biology of the UMITAKA MARU expedition. Plankton collected by the UMITAKA MARU in the Antarctic and adjacent waters by larva net, with special references to Copepoda

Composition of catch, particularly by different nets in the same region; ill. description of Eucalanus longiceps, Paraeuchaeta antarctica, Paraeuchaeta austrina and Paralabidocera antarctica.

Cushing, D.H. (1964) 10-11204 M
Endeavour, 23(89):111
The natural history and geography of the Antarctic krill (Euphausia superba Dana)

Re 8-09102.

Hulburt, E.M. (1963)A 10-11205 M
Ecology, 44(1):169-71
Distribution of phytoplankton in coastal waters of Venezuela

Alvarino, A. (1964) 10-11206 M
Pacif.Sci., 18(1):64-82
Bathymetric distribution of chaetognaths

Vertical distribution based on a study of samples from the Indian and Pacific Oceans; discussion of correlation between distribution in depth of spp. and conditions affecting distribution; and classification into three categories according to strata populated.

Alvarino, A. (1964) 10-11207 M
Pacif.Sci., 18(3):336-48
The Chaetognatha of the Monsoon Expedition in the Indian Ocean

Station data; list of spp. and classification into groups; list of important previous works; spp. distribution.

Hulsemann, K. (1964) 10-11208 M
Oceanus, 11(1):8-9
A moustached copepod

Note on occurrence of Foxtonia barbatula sp. nov. in deep sea plankton samples from the eastern North Atlantic and discussion of distinguishing features.

Matthews, D.C. & S.J. Townsley (1964) 10-11209 M
Pacif.Sci., 18(3):349-51
Additional records of Hawaiian Platyctenea (Ctenophora)

Note on colouration and anatomy.

Takano, H. (1964) 10-11210 M
Bull.Jap.Soc.sci.Fish., 30(2):89-94
(Seasonal changes of microplankton quantity at Manazuru, Katsuura and Hachijo Island). Ni En

Volume of microplankton collected at 3 stations 1 to 3 times per month.

Yaldwyn, J.C. (1964) 10-11211 M
Aust.nat.Hist., 14(10):312-3
Queensland's deadly "sea wasp", photographed alive

Brief note on Chironex fleckeri and Chiropsalmus quadrigatus and photographs taken by Mr Keith Gillett of these spp., with note on method of photography.

Roukhiianen, M. (1964) 10-11212 M
Dokl.Akad.Nauk SSSR, 159(6):1405-7
K voprosu o pervichnoi produktsii fitoplanktona ryb Barentseva moria
(Primary phytoplankton production in the bays of the Barents sea)

Reeve, M.R. (1964)A 10-11213 M
Nature,Lond., 201(4915):211-3
Feeding of zooplankton, with special reference to some experiments with Sagitta

Johannes, R.E. (1964)A 10-11214 M
Science, 146(3446):923-4
Phosphorus excretion and body size in marine animals: microzooplankton and nutrient regeneration

Saville, A. (1964) 10-11215 M
Rapp.Cons.Explor.Mer., 155:164-70
Estimation of the abundance of a fish from egg and larval surveys

Saijo, Y. & T. Kawashima (1964) 10-11216 M
J.oceanogr.Soc.Japan, 19(4):190-6
Primary production in the Antarctic Ocean

Determination of chlorophyll a and photosynthetic rate at stations between 40 degrees W and 100 degrees E, December 1961 to February 1962; calculation of daily primary production beneath a unit surface; suggestion that low values of primary production may be caused by near-freezing water temperature.

Hirano, T., T. Kikuchi & I. Okada (1964) 10-11217 M
Bull.Jap.Soc.sci.Fish., 30(3):267-71
(Contents of inorganic substance and vitamin B_{12} in Euphausia). Ni En

Hirota, R. (1964) 10-11218 M
J.oceanogr.Soc.Japan, 20(1):24-31
Zooplankton investigations in Hiuchi-nada in the Setonaikai (Inland Sea of Japan).
1. The seasonal occurrence of copepods at three stations in Hiuchi-nada

Includes discussion of the interrelation of the distribution of the dominant copepods and the characteristics of the water masses.

Schreiber, B. & I. Ortalli (1963) 10-11219 M
Nuovo Cim.(Suppl.), 1(1):79-86
Animali "estrattori" Sr nel plancton marino: gli acantari
(Animals "extracting" Sr from marine plankton - the Acantharia). It

Brodskii, K.A. & M.E. Vinogradov (1963) 10-11220 M
M.5139
On the distribution of plankton in the Indian sector of the Antarctic region

En 58-1892.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Korotkevich, V.S. (1963) 10-11221 M
M.5125
The distribution of plankton in the Indian sector of the Antarctic

En 59-1691.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Ponomareva, L.A. & E.A. Lubni (1963) 10-11222 M
M.5106
The quantitative distribution of plankton in the tropical waters of the western Pacific Ocean

En 58-3806.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Sysoev, N.N. (1963) 10-11223 M
M.5113
Some hydrodynamic experiments with plankton nets

En N.N. Sysoev, 1956.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Beklemishev, K.V. (1963) 10-11224 M
M.5135
The dependence of the phytoplankton distribution on the hydrological conditions in the Indian sector of the Antarctic

En 58-3226.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Semina, G.I. (1963) 10-11225 M
M.5124
Distribution of the diatomaceous alga *Ethmodiscus rex* (Wall.) Hendey in the plankton

En 62-01252.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Beklemishev, K.V. & V.S. Korotkevich (1963) 10-11226 M
M.5103
Zooplankton of the Indian sector of the Antarctic

En 58-4489.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Chindonova, Yu.G. (1963) 10-11227 M
M.5140
Chaetognatha of the Kurile-Kamchatka Trench

En Iu.G. Chindonova, 1955.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Vinogradov, M.E. (1963) 10-11228 M
M.5110
The pattern of the vertical distribution of zooplankton in the waters of the Kurile-Kamchatka Trench

En M.E. Vinogradov, 1955.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Mileikovskii, S.A. (1963) 10-11229 M
9022.56(NS 9)
Interrelations between the pelagic larvae of *Nephthys ciliate* (O.F. Muller), *Macoma baltica* and *Mya arenaria* of the White Sea

En S.A. Mileikovskii, 1959.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Kalbe, L. (1963) 10-11230 M
Arch.Protistenk., 106(4):591-2
(*Oscillatoria lanceaeformis* nov.spec., an alga from the Baltic Sea plankton). *De*

BAgr. 28(11)99032.

Mackintosh, N.A. (1964) 10-11231 M
Proc.roy.Soc.(A), 281(1384):21-38
Distribution of the plankton in relation to the Antarctic convergence

BAgr. 28(11)99036.

Sieburth, J.McN. & J.T. Conover (1965) 10-11232 M
Nature,Lond., 205(4973):830-1
Slicks associated with *Trichodesmium* blooms in the Sargasso Sea

Backus, R.H., R.C. Clark & 10-11233 M
ASA S. Wing (1965)
Nature,Lond., 205(4975):989-91
Behaviour of certain marine organisms during the solar eclipse of July 20, 1963

Observations were made on the scattering layer organisms and the bioluminescent organisms, mainly on diatoms and plankton.

Subrahmanyan, F.A. & R.S. Gupta 10-11234 M
(1963)A
Proc.Indian Acad.Sci.(B), 57(1):1-14
Studies on the plankton of the east coast of India. 1. Seasonal variation in the fat content of the plankton and its relationship to phytoplankters and fisheries

Tranter, D.J. (1963) 10-11235 M
Cronulla, 7 p.
SCOR-UNESCO zooplankton intercalibration tests. Results of 1st series, R.S. VITYAZ August 2-9, 1962 Australia

Reports comparisons of Indian Ocean standard net with Australian Clarke-Bumpus sample and Soviet "Tropical duty" net.

Battaglia, B., C. Mozzi & A.M. 10-11236 M
Varagnolo (1961)
Pubbl.Ist.Zool.Anat.comp.Univ.Padova, 24(2):
309-15
(First observations on the plankton material collected during the Adriatic oceanographic cruise in 1955). It

BAgr. 27(7)57290.

Fraser, J.H. & A. Lyell (1963) 10-11237 M
Lancet, Jan. 5:61
Dogger Bank itch

Draws attention to the possibility that Fragilaria striatula may cause dermatitis. Issued also as: Mar.Rep.Mar.Lab., Aberdeen, (200).

Gotto, R.V. (1963) 10-11238 M
Proc.zool.Soc.Lond., 140(1):47-56
Observations on the structure, affinities and biology of a rare copepod, Eunicicola (formerly Eurynotus) insolens (T. & A. Scott)

Its occurrence is recorded for the north-east coast of Ireland where it is found on Eunice harassii. Notes on the biology, especially as regards adhesion to the host, locomotion and feeding are given.

Muthu, M.S. (1964) 10-11239 M
Curr.Sci., 33:559-60
Phytoplankton in the Madras coastal waters

BSEA 10(11)8450.

Temple, R.F. (1963) 10-11240 M
Circ.U.S.Fish Wildl.Serv., (161):18-22
Larval distribution and abundance

Cook. H.I. (1963) 10-11241 M
Circ.U.S.Fish Wildl.Serv., (161):28-30
Identification of shrimp larvae

Marvin, K.T. & R.R. Proctor 10-11242 M
(1963)
Circ.U.S.Fish Wildl.Serv., (161):64-6
Chemicals toxic to the red-tide organism

Dean, D. & P.A. Hatfield (1963) 10-11243 M
Biol.Bull.,Woods Hole, 124(2):163-9
Pelagic larvae of Nerinides agilis (Verrill)

Description of larvae collected in the plankton of Mystic River, and reared in the laboratory.

Sebastian, M.J. (1963) 10-11244 M
J.Mar.biol.Ass.India, 5(1):140-2
On the occurrence of the pelagic mollusc, Cardiapoda placenta (Lesson) in the Arabian Sea

Details of collection; taxonomic history; measurements; distribution.

Ooishi, S. (1963) 10-11245 M
Rep.Fac.Fish.Univ.Mie, 4(3):377-89
On some notodelphyoid copepods from the Bay of Kesennuma

Frequency of occurrence in host ascidians; ill. morphological description of Bonnierilla curvicaudata n. sp. and Doropygus elegans n. sp.

Ooishi, S. (1963) 10-11246 M
Rep.Fac.Fish.Univ.Mie, 4(3):419-28
On two new notodelphyoid copepods from the Bay of Matoya

Ill. morphological description of Paranotodelphys villosus n. sp. and Pachypygus globosus n. sp. with note on occurrence.

Shiino, S.M. (1963) 10-11247 M
Rep.Fac.Fish.Univ.Mie, 4(3):437-507
Tanaidacea collected by Naga Expedition in the Bay of Nha-Trang, South Viet-Nam

Collection details, note on occurrence and ill. morphological description for PAGURAPSEUDOPSIS gracilipes gen. and sp. nov. and 6 new spp. belonging to genera Apseudes and Leptochelia.

Seno, J., Y. Komaki & A. Takeda 10-11248 M
(1963)
J.Tokyo Univ.Fish., 49(1):52-62
Reports on the biology of the UMITAKA-MARU expedition, plankton collected by the UMITAKA-MARU in the Antarctic and adjacent waters, with special references to Copepoda

Latitudinal distribution in the Southern Ocean, and composition and distribution in the Antarctic.

Horie, S. et al. (1964) 10-11249 M
Bull.Jap.Soc.sci.Fish., 30(9):786-91
(Distribution of Vibrio parahaemolyticus in plankton and fish in the open sea).
Ni En

Investigation of occurrence of biotype 1 and 2 organisms in pelagic plankton and fish; station data; method of detection.

Uchida, T. (1964) 10-11250 M
Publ.Seto Mar.biol.Lab., 12(1):109-12
Some Medusae from New Caledonia

Lists 6 specimens obtained from the Melanesian Expedition, with brief descriptions.

Uchida, T. (1964) 10-11251 M
Publ.Seto Mar.biol.Lab., 12(1):101-7
Medusae of Eugymnanthea, an epizoic hydroid

Diagnosis and ill. morphological description of Eugymnanthea minuta n. sp. found off Naples.

Tokioka, T. (1964) 10-11252 M
Publ.Seto Mar.biol.Lab., 12(1):93-9
Bolinopsis rubripunctata n. sp., a new lobatean ctenophore from Seto

Diagnosis and ill. morphological description.

Prasad, R.R. & P.V.R. Nair 10-11253 M
(1963)
J.Mar.biol.Ass.India, 5(1):1-26
Studies on organic production. 1. Gulf of Mannar

Study of organic production initiated in inshore waters to determine the magnitude of production, its seasonal variations and the present yield in terms of carbon with a view to assessing the fisheries potential.

Park, K. & H.C. Curl Jr. (1965) 10-11254 M
Nature,Lond., 205(4968):274-5
Effect of photosynthesis and respiration on the electrical conductance of sea-water

Curl, H. Jr., N. Cutshall & 10-11255 M
Ch. Osterberg (1965)
Nature,Lond., 205(4968):275-6
Uptake of chromium(III) by particles in sea water

Palmer, J., L. Livingston & 10-11256 M
F.D. Zusy (1964)
Nature,Lond., 203(4949):1087-8
A persistent diurnal rhythm in photosynthetic capacity

Cherry, R.D. (1964) 10-11257 M
Nature,Lond., 203(4941):139-43
Alpha-radioactivity of plankton

Dunbar, M.J. (1964) 10-11258 M
Ser.Atlas mar.Envir., Folio 6, 8 plates
Euphausids and pelagic amphipods distribution in North Atlantic and Arctic waters

Geographic distribution of amphipods in the North Atlantic and Arctic waters are shown in coloured printing. Eight spp. are treated in 8 respective maps.

Gooding, R.U. (1963)C 10-11259 M
Thesis, University of Washington, 308 p.
External morphology and classification of marine poecilostome copepods belonging to the families Clausidiidae, Clausiidae, Nereicolidae, Anomopsyllidae, and Echiurophilidae

DA 25(7):4308.

Johnston, R. (1964) 10-11260 M
J.Mar.biol.Ass.U.K., 44:87-109
Sea water, the natural medium of phytoplankton. 2. Trace metals and chelation, and general discussion

Co 9-03145.

Russell, F.S. (1964) 10-11261 M
J.Mar.biol.Ass.U.K., 44:133-6
On scyphomedusae of the genus *Pelagia*

Rice, A.L. (1964) 10-11262 M
J.Mar.biol.Ass.U.K., 44:163-75
Observations on the effects of changes of hydrostatic pressure on the behaviour of some marine animals

53 species of planktonic or semi-planktonic marine animals were tested in tank experiments.

Jones, J.I. (1964)C 10-11263 M
Thesis, The University of Wisconsin, 199 p.
The ecology and distribution of living planktonic Foraminifera of the West Indies and adjacent waters

DA 25(4):2446.

Swift, M.J. (1963)C 10-11264 M
Thesis, Fordham University, 175 p.
Morphology, physiology and nutrition of two marine phytoplanktons, *Melosira juergensii* and *Heterocapsa kollmeriana*

DA 24(11):4367.

Jitts, H.R. *et al.* (1964) 10-11265 M
J.Fish.Res.Bd Can., 21(1):139-57
The cell division rates of some marine phytoplankters as a function of light and temperature

An apparatus is described for exposing phytoplankton cultures to 64 different combinations of light and temperature. The growth of 5 spp. belonging to genus *Dunaliella*, *Monochrysis*, *Skeletonema* and *Thalassiosira* was observed.

McAllister, C.D., N. Shah & 10-11266 M
J.D.H. Strickland (1964)
J.Fish.Res.Bd Can., 21(1):159-81
Marine phytoplankton photosynthesis as a function of light intensity: a comparison of methods

Bary, B.McK. (1964) 10-11267 M
J.Fish.Res.Bd Can., 21(1):183-202
Temperature, salinity and plankton in the eastern North Atlantic and coastal waters of Britain, 1957. 4. The species' relationship to the water body; its role in distribution and in selecting and using indicator species

Jitts, H.R. (1963) 10-11268 M
Aust.J.Mar.Freshw.Res., 14:139-47
The simulated *in situ* measurement of oceanic primary production

Bayly, I.A.E. (1963) 10-11269 M
Aust.J.Mar.Freshw.Res., 14:194-217
A revision of the coastal water genus *Gladioferens* (Copepoda: Calanoida)

Hattori, S. (1964) 10-11270 M
Bull.Tokai Fish.Res.Lab., (40):1-158
(Studies on fish larvae in the Kuroshio and adjacent waters). Ni En

Study undertaken to clarify the geographical and quantitative distribution, and seasonal fluctuation of abundance of larval fishes; also the process of dispersion of fish eggs and larvae. Early life histories of some important fishes are described.

Tokioka, T. & D. Pathansali (1964) 10-11271 M
Publ.Seto Mar.biol.Lab., 12(2):145-8
Spadella cephaloptera forma angulata raised to the rank of species

Taxonomic discussion of Malayan and Japanese specimens and ill. description of Malayan specimens.

Gamo, S. (1964) 10-11272 M
Publ.Seto Mar.biol.Lab., 12(2):191-9
Cyclaspis purpurascens sp. nov., a new cumacean Crustacea from Tanabe Bay, Kii Peninsula

Ill. morphological description.

Endo, T. (1964) 10-11273 M
J.Fac.Fish.Hiroshima, 5(2):503-18
(On primary production in Bingo-Nada of Seto Inland Sea). Ni En

Determination of photosynthesis (by ^{14}C method) and chlorophyll content; seasonal changes in hydrographic conditions; results of primary production measurements.

Hadfield, M.G. (1963) 10-11274 M
Oikos, 14(1):85-95
The biology of nudibranch larvae

Greze, V.N. (1964) 10-11275 M
Dokl.Akad.Nauk.SSSR(En Transl.biol.Sci.Sec.), 151(1-6):956-8
The determination of transparency among planktonic organisms and its protective significance

Estimates values for transparency for some species of Dinoflagellata, Siphonophora, Copepoda and Appendicularia collected in Black and Mediterranean Seas.
En 9-07183.

Smayda, T.J. (1963) 10-11276 M
Bull.Inter-Amer.trop.Tuna Comm., 7(3):193-253
A quantitative analysis of the phytoplankton of the Gulf of Panama. 1. Results of the regional phytoplankton surveys during July and November, 1957 and March, 1958

Includes a general account of the hydrography.

Bowman, T.E. (1964) 10-11277 M
Quart.Rev.Biol., 39(2):193-4
The natural history and geography of the Antarctic krill

Re 8-09102.

Patten, B.C. (1963)BC 10-11278 M
In Information storage and neural control by W.S. Fields and W. Abbott, Springfield, Charles C. Thomas
The information concept in ecology: some aspects of information-gathering behaviour in plankton

Issued also as: Contr.Va Inst.Mar.Sci., (120).

Yentsch, C.S. & C.A. Reichert (1963)A 10-11279 M
Limnol.& Oceanogr., 8(3):338-42
The effects of prolonged darkness on photosynthesis, respiration, and chlorophyll in the marine flagellate, Dunaliella euchlora

Patterson, J. & T.R. Parsons 10-11280 M
(1963)
Limnol.& Oceanogr., 8(3):355-6
Distribution of chlorophyll and degradation products in various marine materials

Brief report on the occurrence of degradation products of chlorophyll and the proportion of these products to the total chlorophyll pigments in some samples from the marine environment.
HR:jgs

Vinogradov, M.E., N.M. Voronina 10-11281 M
& I.N. Sukhanova (1961)
Okeanologiia, 1:283-93
Gorizontal'noe raspredelenie tropicheskogo planktona i ego sviaz' s nekotorymi osobennostiami struktury vod otkrytykh raionov okeana
(Horizontal distribution of tropical plankton and its relation to certain structural features of the water column in mid-ocean)

Beklemishev, K.V. (1961) 10-11282 M
Okeanologiia, 1:1059-72
O prostranstvennoi strukture planktonnykh soobshchestv v zavisimosti ot tipa okeanicheskoi tsirkuliatsii. Granitsy arealov okeanicheskikh planktonnykh zhivotnykh v severnoi chasti Tikhogo okeana
(The spatial structure of plankton associations in relation to the type of oceanic circulation. The distribution limits of oceanic plankton animals in the northern Pacific)

David, P.M. (1963) 10-11283 M
Publ.Syst.Ass., (5):129-43
Some aspects of speciation in the Chaetognatha

Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(435).

Hart, T.J. (1963) 10-11284 M
Publ.Syst.Ass., (5):145-55
Speciation in marine phytoplankton

Discusses special difficulties in the establishment of phytoplankton species and mentions that present knowledge is not adequate.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(442).

Kamshilov, M.M. (1963) 10-11285 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 150(1-6):671-3
The influence of ultraviolet light on microbiocenoses of marine protozoa

En 9-02149.

Sveshnikov, V.A. (1963) 10-11286 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 150(1-6):836-9
Types of polychaete larvae

En 9-02150.

Currie, R.I. (1963) 10-11287 M
Deep-Sea Res., 10(1/2):27-32
The Indian Ocean standard net

The design of this net has taken into account the requirements and preferences of several nations and of different working conditions and it is therefore in some degree a compromise in design. Every attempt has been made within these limitations to retain the most desirable qualities of plankton nets.

Desai, H.V. & D.V. Bal (1962) 10-11288 M
Proc.Indian Acad.Sci.(B), 56(3):131-5
Monstrilla lata, a new species of monstrilloid copepod from Bombay plankton

Harada, I. (1964) 10-11289 M
Jap.J.Zool., 14(2):97-107
Cumacean fauna of Japan. 3. Family Bodotriidae Part. 1

Examination of granulations on the carapace and carination on the pleonic somites in H. sarsi v. granulata and v. costata, concluding in assignment of all Japanese forms of Heterocuma to the name H. sarsi. The relation between Heterocuma and Sympodomma is discussed.
Co 8-10139.

Kurata, H. (1964) 10-11290 M
Bull.Hokkaido Fish.Res.Lab., (29):24-48
(Larvae of decapod Crustacea of Hokkaido. 5. Paguridae (Anomura)). Ni En

Ill. description, with keys, of zoeae of 18 spp. and glaucothoe of 6 spp.
Co 9-09246.

Kurata, H. (1964) 10-11291 M
Bull.Hokkaido Fish.Res.Lab., (29):49-65
(Larvae of decapod Crustacea of Hokkaido.
6. Lithodidae (Anomura)). Ni En

Ill. description of development of larvae
of Paralithodes brevipes, P. camtchatica,
P. platypus, and Dermaturus mandtii. Key
to the Lithodidae.
Co 10-11290.

Kurata, H. (1964) 10-11292 M
Bull.Hokkaido Fish.Res.Lab., (29):66-70
(Larvae of decapod Crustacea of Hokkaido.
7. Porcellanidae (Anomura)). Ni En

Ill. description of development of larvae
of Pachycheles stevensii.
Co 10-11291.

Kurata, H. (1964) 10-11293 M
Bull.Hokkaido Fish.Res.Lab., (29):71-4
(Larvae of decapod Crustacea of Hokkaido.
8. Dorippidae (Brachyura)). Ni En

Ill. description of development of larvae
of Dorippe granulata.
Co 10-11292.

Barham, E.G. (1963) 10-11294 M
Science, 140(3568):826-8
Siphonophores and the deep scattering
layer

Bathyscaphe dives in the San Diego Trough
showed a close spatial relationship
between siphonophores and the deep
scattering layer recorded by echo sounders.
Gas bubbles in the flotation structures
of Nanomia approximate closely to a size
resonant for 12-kcy/sec sound. Suggests
that organisms may well be the major cause
of stratified zones of scattering.

Smayda, T.J. (1964)C 10-11295 M
In 9-09019:260-74
Succession of phytoplankton and the ocean
as an holocoenotic environment

Issued also as: Coll.Repr.Narragansett Mar.
Lab., (33).

Manuilova, E.F. (1964) 10-11296 M
Opred.Faune SSSR, (88):326 p.
Vetvistousye rachki (Cladocera) fauny
SSSR
(Cladocera of the USSR fauna)

Lists in systematic order the families,
genera and spp. of Cladocera with ill.
and detailed description.

Steinberg, S.N. (1963) 10-11297 M
Biol.Bull.,Woods Hole, 124(3):337-43
The regeneration of whole polyps from
ectodermal fragments of scyphistoma
larvae of Aurelia aurita

Presents observations indicating that
ectodermal cells divide most actively and
produce new endoderm. There are no typical
hydroid interstitial cells.

Marshall, N. (1965) 10-11298 M
Ecology, 46(3):343-4
Detritus over the reef and its potential
contribution to adjacent waters of
Eniwetok Atoll

David, P.M. (1965) 10-11299 M
J.Mar.biol.Ass.U.K., 45(2):313-20
The Neuston net - a device for sampling
the surface fauna of the ocean

Corner, E.D.S., C.B. Cowey & 10-11300 M
S.M. Marshall (1965)
J.Mar.biol.Ass.U.K., 45(2):429-42
On the nutrition and metabolism of zoo-
plankton. 3. Nitrogen excretion by Calanus

CR 61-03857.

Beers, J.R. (1964) 10-11301 M
J.Cons., 29(2):123-9
Ammonia and inorganic phosphorus excretion
by the planktonic chaetognath, Sagitta
hispida Conant

Rates of excretion were determined
experimentally on individuals from Bermuda.

Nielsen, E.S. (1964) 10-11302 M
J.Cons., 29(2):130-5
On a complication in marine productivity work due to the influence of ultraviolet light

Experiments at sea on surface water plankton samples were carried out.

Barkley, R.A. (1964) 10-11303 M
J.Cons., 29(2):146-57
The theoretical effectiveness of towed-net samplers as related to sampler size and to swimming speed of organisms

Analyses physical factors which ultimately limit a net's ability to catch a single organism.

Hulburt, E.M. (1964) 10-11304 M
Bull.Mar.Sci.Gulf Caribb., 14(1):33-44
Succession and diversity in the plankton flora of the western North Atlantic

Result of observation of phytoplankton near the Nova Scotian coast was explained taking into consideration the hydrography of Sargasso Sea (1962).

De Decker, A. (1964) 10-11305 M
Comm.Ind., 22(10):551-82
The ecology and distribution of Copepoda in the marine plankton of South Africa

Morphological and hydrographic conditions, surface temperature, plankton volumes and distribution, and the Copepoda on 12 offshore sections between Durban and Cape Town were studied.

Wickstead, J.H. (1963) 10-11306 M
Proc.zool.Soc.Lond., 141(3):577-608
Estimates of total zooplankton in the Zanzibar area of the Indian Ocean with a comparison of the results with two different nets

Forsbergh, E.D. & J. Joseph (1964) 10-11307 M
Bull.Inter-Amer.trop.Tuna Comm., 8(9):479-527
Biological production in the eastern Pacific Ocean
Producción biológica en el Océano Pacífico Oriental

Deals with the geographic distribution of the standing crop and production of phytoplankton at the surface. Relationships among thermocline topography, nutrient concentration and the various tropic levels from primary to fish production are discussed.

Brinckmann, A. (1965) 10-11308 M
Canad.J.Zool., 43(1):13-5
The life cycle of the medusa Cirrholovenia tetranema Kramp 1959 (Leptomedusae, Lovenellidae) with a hydroid of the genus Cuspidella Hincks

Semina, G.I. (1961) 10-11309 M
Trudy Inst.Okeanol., 51
Fitoplankton zony smeshcheniia vod Oiasio i Kurosio vesnoi 1955 g.
(Phytoplankton in the zone of confluence of the Kuril and Japan currents in the spring of 1955

Klusov, S.K. (1961) 10-11310 M
Trudy Inst.Okeanol., 51
Plankton i pitanie usatykh kitov
(Plankton and the nutrition of whalebone whales)

Ponomareva, L.A. (1961) 10-11311 M
Trudy Inst.Okeanol., 51
Zooplanoton zaliva Aniva
(The zooplankton of Aniwa Bay)

Beklemishev, K.V. et al. (1961) 10-11312 M
Trudy Inst.Okeanol., 51
O prichine plavuchesti planktonnykh diatomovykh
(The reason for the buoyancy of plankton diatoms)

Beklemishev, K.V. (1961) 10-11313 M
Trudy Inst.Okeanol., 51
O znachenii kolonial'nosti dlia planktonnykh diatomei
(The significance of colony-formation for plankton diatoms)

Mikulich, L.V. (1961) 10-11314 M
Okeanologiia, 2:308-10
Prognozirovanie massovogo poiavleniia meduzy gonionemy (Gonionemus vertens) i mery bor'by s neiu
(Forecasting mass outbreaks of Gonionemus vertens and their control)

Kabanova, Iu.G. (1961) 10-11315 M
Okeanol.Issled., :72-5
Pervichnaia produktsiia i soderzhanie biogenykh elementov v vodakh Indiiskogo okeana
(Biogenic elements - primary production and content in the waters of the Indian Ocean). En

Luka, G.I. & A.I. Pavelko (1961) 10-11316 M
Nauch.-tekh.Biull.PINRO, 1(15):36-8
Kratkaia kharakteristika planktona severo-zapadnoi chasti Atlantiki v letnie mesiatsy 1960 g
(A brief description of plankton in the north-west Atlantic during the summer of 1960)

Belogorskaia, E.V. & T.M. Kondrat'eva (1961)C 10-11317 M
In Tez.dokl.i soobshch.nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk biol.st. :17-8
Raspredelenie fitoplanktona v Chernom more
(Phytoplankton distribution in the Black Sea)

Bogorov, V.G. & M.E. Vinogradov (1961) 10-11318 M
Okeanol.Issled., (4):66-71
Nekotorye cherty raspredeleniia biomassy planktona v poverkhnostnykh vodakh Indiiskogo okeana zimoi 1959/60 g
(Some of the distribution features of the plankton biomass in the surface waters of the Indian Ocean in the winter of 1959-60). En

Iashnov, V.A. (1961)B 10-11319 M
Dokl.Akad.Nauk SSSR, 136(3):705-8
(Vertical distribution of the zooplankton mass in the tropical region of the Atlantic Ocean). Ru

Yashnov, V.A. (n.d.)C 10-11320 M
ETC TT-63-26269:9 p.
Distribution verticale de la masse de zooplancton dans la région tropicale de l'Océan Atlantique
(Vertical distribution of the zooplankton mass in the tropical region of the Atlantic Ocean)

Fr 10-11319.
Available from European Translations Centre, Delft, Netherlands.

Patten, B.C. et al. (1964) 10-11321 MG
J.Cons., 28(3):335-53
Some experimental characteristics of dark and light bottles

Experimental evaluation of several aspects of dark and light bottle oxygen method for estimating aquatic production.

English, T.S. (1964) 10-11322 MG
Rapp.Cons.Explor.Mer., 155:174-82
A theoretical model for estimating the abundance of planktonic fish eggs

Maddux, W.S. (1963) 10-11323 MG
Thesis, Princeton Univ., 66 p.
Application of continuous culture methods to the study of phytoplankton ecology

Apparatus designed, built, tested, and used to investigate effects of light, temperature, and nitrate and phosphate content of artificial sea water upon growth of Nitzschia closterium and Carteria sp. in pure culture. Optimum temperature and optimum level of light intensity for maximum growth rate in daily light and dark cycle were found. Since conventional batch culture techniques normally require use of high nutrient concentrations, results obtained by such methods may be invalidated for application to problems in study of natural populations.
DA 24(3):943.

O'Connell, C.P. & R.J.H. Leong (1963) 10-11324 MG
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (452):19 p.
A towed pump and shipboard filtering system for sampling small zooplankters

An electrically driven pump unit with depth fins is towed with hose and cable connecting to a winch and filter unit. Operation and performance during trials in 1961 are described.

Raymont, J.E.G., J. Austin & E. Linford (1964) 10-11325 MF
J.Cons., 28(3):354-63
Biochemical studies on marine zooplankton 1. The biochemical composition of Neomysis integer

Methods for estimating of total nitrogen, protein, lipid, carbohydrate, ash, chitin and organic carbon for marine zooplankton are described. For N. integer from River Itchen and its estuaries (Southampton) mean values of above mentioned components are given.

Rice, A.L. (1962) 10-11326 MF
Thesis, Liverpool Univ.
Reactions of some planktonic animals to changes of pressure and other factors

Hopkins, J.T. (1964) 10-11327 MF
J.Mar.biol.Ass.U.K., 44(3):613-44
A study of the diatoms of the Ouse estuary, Sussex. 3. The seasonal variation in the littoral epiphyte flora and the shore plankton

Co 10-11920.

Cassie, R.M. (1964) 10-11328 MF
N.Z.J.Sci., 7(3):387-95
Improved filter-changer for a plankton pump

Ill. description; operation; special details of construction; proposed applications.

Kawamura, R. (1964) 10-11329 MF
Zool.Mag.,Tokyo, 73(3):70-7
(Morphological studies on the starved condition in the ciliate, Condylostoma sp. 1. Light microscopical observation). Ni En

Ill. description of macronuclear changes of ciliate held in artificial brackish water containing no food substance.

Ancona, U.D. (1961) 10-11330 MF
Pubbl.Ist.Zool.Anat.comp.Univ.Padova, 24(2): 225-6
(Italian plankton researches for the international geophysical year). Fr

BAgr. 27(7)57298.

Thomasson, K. (1962) 10-11331 MF
Ark.Bot., 4(5):437-63
Planktological notes from western North America

BAgr. 27(7)57313.

Biernacka, I. (1963) 10-11332 MF
Polsk.Arch.Hydrobiol., 11(24):17-75
Die Protozoenfauna in Danziger Bucht. 2. Die Charakteristik der Protozoen in untersuchten Biotopen der Seeküste. Beschreibung der Species
(The protozoan fauna of Danzig Bay. 2. Description of the protozoa in the biotopes investigated. Species description)

Morphological details, notes and a figure for each sp.

Hopkins, T.L. (1963) 10-11333 MF
J.Mar.Res., 21(1):39-47
The variation in the catch of plankton nets in a system of estuaries

Variability in copepod catch during a tidal cycle at 17 stations in the St. Andrew Bay system of Florida, the coefficient of variation (c.v.) for the total copepod count of a single oblique tow was found to be 43%.

Kamat, N.D. (1964) 10-11334 MF
J.biol.Sci.,Bombay, 7:8-14
Euglenophyceae of Bombay

BSEA 10(11)8496.

Goldman, C.R. & R.G. Wetzel 10-11335 MF
(1963)
Ecology, 44(2):283-94
A study of the primary productivity of Clear Lake, Lake County, California

Carbon-14 was used; measurements were taken of light, temperature, pH, oxygen and ionic composition.

Nielsen, E.S. (1965) 10-11336 MF
Arch.Hydrobiol., 61(2):184-9
On the terminology concerning production in aquatic ecology with a note about excess production. De

Kashiwada, K., A. Kanazawa & 10-11337 MF
I. Sasaki (1964)
Mem.Fac.Fish.Kagoshima, 13(1964):52-7
(Distribution of vitamin B_{12} in the laver-farm). Ni En

Results of experiment to determine vitamin B_{12} content of the environment with a view to establishing relation between vitamin B_{12} content and productivity of the farm.

Petran, A. (1963) 10-11338 MF
Stud.Cercet.Biol.(anim.), 15(2):187-97
Contributii la cunoasterea microfaunei de ciliate psamofile din Marea Neagră - litoralul romînesc
(Contribution to the knowledge of the microfauna of interstitial Ciliata from the Black Sea - Roumanian coast). Ro Fr Ru

Records 19 spp.

Hopkins, T.L. (1964)C 10-11339 MF
Thesis, The Florida State University, 105 p.
The plankton of the St. Andrew Bay System, Florida

DA 25(9)5457.

Dunham, P.B. (1964) 10-11340 MF
Biol.Bull.,Woods Hole, 126(3):373-90
The adaptation of Tetrahymena to high NaCl environment

The adaptation to an osmotic stress by the ciliate Tetrahymena pyriformis was studied.

Štěpánek, M. (1963) 10-11341 MF
Sborn.vys.Sk.chem.-technol.,Praha, 7(2):171-3
Sampler of sedimenting plankton. Cs Ru

Iankovskii, A.V. (1961) 10-11342 MF
Dokl.Akad.Nauk SSSR, 137:989-92
Protsess kon'iugatsii u redkoi solonovatovodnoi parametsii
(The conjugation process in the rare brackish-water Paramaecium)

Kosova, A.A. (1961) 10-11343 MF
Trudy astrakh.Zapov., 5:151-9
Vychislenie vesa nekotorykh form zooplanktona nizov'ev del'ty Volgi
(Calculating the weight of certain forms of zooplankton in the lower Volga Delta)

Prowse, G.A. (1962) 10-11344 F
Gdns' Bull., 19(1):105-45
Further Malayan freshwater Flagellata

Describes and figures 50 spp. of Flagellata (Volvocales, Xanthophyceae and Dinophyceae are omitted). Provides keys to the subgroups.

Herman, S.S. & J.A. Mihursky 10-11345 F
(1964)
Science, 146(3643):543-4
Infestation of the copepod Acartia tonsa with the stalked ciliate Zoothamnium

Sudzuki, M. (1964) 10-11346 F
Hydrobiologia, 23(1/2):1-125
New systematical approach to the Japanese planktonic Rotatoria

A new systematic approach to the Japanese planktonic Rotatoria was made based upon the studies of almost all Japanese species and also on several foreign ones, in treating some 30 taxonomic characters of both female and male.

Sladecek, V. & A. Sladeckova (1964)A 10-11347 F
Hydrobiologia, 23(1/2):125-58
Determination of the periphyton production by means of the glass slide method. De

Greenberg, A.E. (1962) 10-11348 F
Wat.& Sewage Wks, 109:474
Stream plankton data presentation

An isometric plotting method, developed by the Ohio River Valley Water Sanitation Commission for expressing chemical data from the Ohio River, has been applied to the results of a plankton survey in the Sacramento River, California.
WPA 37(3)396.

Levina, R.I. (1961) 10-11349 F
Acad.Sci.B.S.S.R.,Minsk, 1961:136-47
Antagonism between planktonic algae and microflora in biological ponds

Actively growing protococcid algae, such as Scenedesmus obliquus, S. quadricauda, Chlorella vulgaris and C. pyrenoidosa, are strongly bactericidal to coliform bacteria and Salmonellae. Euglena viridis and Raphidonema sempervivens also remove intestinal bacteria from the water.
WPA 37(3)455.

Guseva, K.A. (1962) 10-11350 F
8732(1 043)
Phytoplankton of the Rybinsk reservoir (seasonal dynamics and distribution of the basic groups of phytoplankton)

En K.A. Guseva, 1955.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

McMahon, J.W. & F.H. Rigler (1963) 10-11351 F
Canad.J.Zool., 41(2):321-32
Mechanisms regulating the feeding rate of Daphnia magna Straus

Feeding regulation by the planktonic crustacean D. magna in increasing concentrations of two foods: Chlorella vulgaris and Saccharomyces cerevisiae.

Schwarz, S. (1964) 10-11352 F
Hydrobiologia, 23(1/2):211-45
Die Tintinnoinea
(The Tintinnoinea)

Taxonomic study.

Hall, D.J. (1964) 10-11353 F
Ecology, 45(1):94-112
An experimental approach to the dynamics of a natural population of Daphnia galeata mendotae

Describes laboratory experiments and field observations in Base Line Lake, Michigan.

Greenberg, A.E. (1964) 10-11354 F
Ecology, 45(1):40-9
Plankton of the Sacramento River

The gradual increase in total number of plankters as the water progressed downstream is shown. The diatoms Synedra, Cyclotella, Melosira, were predominant algae. Zooplankton never presented a significant position of total plankton.

Hazelwood, D.H. & R.A. Parker (1963) 10-11355 F
Ecology, 44(1):207-11
Population dynamics of some freshwater zooplankton. 2. The effect of lag

An evaluation of the relationship between the environmental factors measured on a given date and the zooplankton population measured on a subsequent date, that is, the effect of lag.
Ci 8-04113, 62-00757.

Goulden, C.E. & D.G. Frey (1963)A 10-11356 F
Int.Rev.Hydrobiol., 48(3):513-22
The occurrence and significance of lateral head pores in the genus Bosmina (Cladocera)

Yamashita, Y. (1964) 10-11357 F
Zool.Mag., Tokyo, 73(2):39-44
(Effects of mechanical deformation and electric current on protoplasmic streaming in Paramecium). Ni En

Observations made after inhibiting locomotion by a viscous medium or an anaesthetic leading to conclusion that cyclosis has no direct relation with locomotion or ciliary movement.

Różańska, Z. (1963)A 10-11358 F
Zesz.nauk.wyzsz.Szk.roln.Olsztyn, 16(1):41-57
Zooplankton zalewu Wiślanego
(The Vistula Firth zooplankton). *Pl* En

Arkhipova, L.V. *et al.* (1963) 10-11359 F
Khim.Prom., (7):498-501
Use of hexachlorobutadiene for preventing growth of photoplankton in industrial waters

Volm, M. (1964) 10-11360 F
Z.vergl.Physiol., 48: 157-80
Die Tagesperiodik der Zellteilung von *Paramecium bursaria*
(The daily periodicity in cell division of *Paramecium bursaria*). En

Rhythmical processes in lower organisms were studied by observing the influence of various factors, notably temperature and illustrations on cell division in *P. bursaria* (strains Ts and 25B). The experiments were carried out using individual organisms placed on depression slides and counting the number of cell divisions every 3 hours.
:wjrl

Kurohagi, T. & M. Osanai (1963) 10-11361 F
Sci.Rep.Hokkaido Fish.Hatch., (18):123-46
(Limnological studies on the old water ways of the Ishikari River. 1. The seasonal variation of hydrographic conditions and plankton communities of the Ishikari-Furukawa). *Ni*

Suginome, M. & K. Baba (1963) 10-11362 F
Bull.Freshw.Fish.Res.Lab.,Tokyo, 13(1):13-29
(Studies of mass culture of daphnid No. 1. Growth, maturation and reproduction of *Daphnia carinata* King cultured under varied conditions of temperature and food- and population-density). *Ni* En

Two series of experiments; one to study growth and maturation; the other to study maturation and reproduction.

Siebeck, O. (1964)A 10-11363 F
Arch.Hydrobiol., 60(4):419-27
Ist die "Uferflucht" planktischer Crustaceen eine Folge der Vertikalwanderung?
(The absence of planktonic Crustacea from the shore is it due to vertical migration?). En

Grigorash, V.A. (1963) 10-11364 F
9022.56(NS 16)
Data regarding the feeding habits of larvae of the roach at the stage of mixed feeding

En V.A. Grigorash, 1961.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Cushing, C.E. (1964) 10-11365 F
Ecology, 45(2):306-13
Plankton and water chemistry in the Montreal River lake-stream system, Saskatchewan

BAgr. 28(8)68354.

Van Landingham, S.L. (1964) 10-11366 F
Bot.Rev., 30(3):437-78
Some physical and generic aspects of fluctuations in non-marine plankton diatom populations

BAgr. 28(11)99802.

Hubschman, J.H. & R.A. Engel (1965) 10-11367 F
Nature,Lond., 205(4975):1029-30
Toxicity of rubber stoppers to *Daphnia magna* Straus

McConnell, W.J. (1963) 10-11368 F
Trans.Amer.Fish.Soc., 92(1):1-12
Primary productivity and fish harvest in a small desert impoundment

Presents data on primary production and fish harvest in a small desert lake wherein harvest rate approached potential fish productivity.

Kisler, R.W., J.R. Donaldson & P.R. Olson (1963) 10-11369 F
Trans.Amer.Fish.Soc., 92(1):17-24
The effect of rotenone on zooplankton populations in freshwater lakes

Study shows rotenone does affect zooplankton populations, and that recovery to preapplication levels may be several months.

Szemes, G. (1962) 10-11370 F
Acta bot., 8(3/4):367-440
(Quantitative study of Bacillariophyceae planktons of the Danube section at Budapest).
De

BAgr. 27(7)57312.

Szlauer, L. (1963) 10-11371 F
Polsk.Arch.Hydrobiol., 11(24):5-15
Predkości poruszania sie skorupiaków planktonwych jako czynnik wplywajacy na pionowe rozmieszczenie postaci mlodocianych i dojrzalych
(The speed of the movements of plankton Crustacea as a factor influencing the vertical stratification of juvenile and adult individuals). Pl En Ru

Daphnia pulex is discussed.

Prószyńska, M. (1963) 10-11372 F
Polsk.Arch.Hydrobiol., 11(24):77-96
On the problem of differentiating Cladocera and Copepoda fauna in ponds and small water bodies in the light of present faunistic literature

Tabulates the available data on the occurrence of species in the two types of water body.

Vuxanovici, Al. (1963) 10-11373 F
Stud.Cercet.Biol.(anim.), 15(1):65-93
Contributii la sistematica ciliatelor (nota 4)
(Contribution to the systematics of the ciliates (Note 4)

Describes and figures 36 new species and a number of new genera from ponds near Bucarest.
Co 8-03132.

Kevern, N.R. (1963) 10-11374 F
Thesis, Michigan State Univ., 141 p.
Primary production and energy relationships in artificial streams

Productivity and energetics of algal communities in two, circulating, artificial streams were investigated. Streams, with incandescent lights as source of energy, were established with distilled water and inorganic nutrients and seeded with algae from a local stream. Succession ended with filamentous blue-green alga, Plectonema boryanum Gomont, as dominant. Productivity of algae was measured by pH-carbon dioxide changes, upstream-downstream oxygen changes and by biomass of periphyton collected on artificial substrates.
DA 24(3):1297.

Satomi, Y. (1964) 10-11375 F
Bull.Freshw.Fish.Res.Lab., Tokyo, 13(2):77-92
Über die Verwertung organischer Säuren durch Phytoplankton und dabei begleitende Veränderung der Alkalinität
(The utilization of organic acids by phytoplankton and the accompanying changes in alkalinity). Ni De

Pure cultures of Scenedesmus obliquus, Chlorella vulgaris and Navicula sp. were grown, with and without aeration, in media each with one of 22 organic acids.

Hazen, W.E. & E.R. Baylor (1962) 10-11376 F
Biol.Bull., Woods Hole, 123(2):243-52
Behavior of Daphnia in polarized light

Examines experimentally the consequences of the Brewster-Fresnel internal reflection model for the eye lenses on the behaviour of daphnids under polarized light.

Baylor, E.R. & W.E. Hazen (1962) 10-11377 F
Biol.Bull., Woods Hole, 123(2):233-42
The analysis of polarized light in the eye of Daphnia

Suggests a model for polarization by comparison between measurements through daphnid eye cones and theoretical values. Discusses shape and function of Daphnia cone lenses.

Elgmork, K. (1965) 10-11378 F
Nature,Lond., 205(4969):413
A triennial copepod(Crustacea) in the temperate zone

A study of the freshwater planktonic copepod Cyclops scutifer from a lake near Oslo, Norway, showing 3-year life-cycle.

Swale, E.M.F. (1964) 10-11379 F
J.Ecol., 52(2):433-46
A study of the phytoplankton of a calcareous river

Carried out in the River Lee, Hertfordshire, England.

Brewer, R.H. (1964) 10-11380 F
Physiol.Zoöl., 37(1):1-20
The phenology of Diaptomus stagnalis (Copepoda: Calanoida): the development and the hatching of the egg stage

ANON. (1964) 10-11381 F
New Scient., 22(391):403
Telling one Amoeba from another

Elliott, J.M. (1965) 10-11382 F
Nature,Lond., 205(4976):1127-9
Daily fluctuations of drift invertebrates in a Dartmoor stream

Bottom fauna and planktonic organism (like nymphs of Plecoptera, Ephemeroptera, larvae of Trichoptera) were used for experiments and investigated in field tests as food accessible to salmonid fishes.

Sud, G.C. (1964)C 10-11383 F
Thesis, University of Wisconsin, 92 p.
Observations on zoochlorellae in fresh water ciliates

DA 25(6):3767.

Jervis, R.A. (1964)C 10-11384 F
Thesis, Rutgers - The State University, 73 p.
Primary production in freshwater marsh ecosystem

DA 25(4):2189.

Petropulos, S.F. (1963)C 10-11385 F
Thesis, Princeton University, 122 p.
Physiological aspects of synchronous division in Euglena gracilis

DA 24(11):4366.

Cantor, M.H. (1964)C 10-11386 F
Thesis, University of California, Los Angeles, 116 p.
Metabolic adaptation in the flagellate, Polytomella agilis

DA 25(3):2107.

Ito, T. (1964) 10-11387 F
Jap.J.Zool., 14(2):119-32
Groundwater copepods from the middle and western parts of Japan

Records 14 spp. collected at 21 localities. Ill. descriptions are given for Acanthocyclops kagaensis n. sp., Diacyclops nagatoensis n. sp. and D. kyotoensis n. sp.

Miura, Y. (1964) 10-11388 F
Jap.J.Zool., 14(2):133-41
Subterranean harpacticoid copepods from a driven well in Japan

Lists 11 spp. collected with ill. descriptions of Ectinosoma japonica n. sp., Elaphoidella caeca n. sp., Ceuthonectes mirabilis n. sp. and the female of Parastenocaris nipponensis not previously collected.

McNaught, D.C. & A.D. Hasler (1964) 10-11389 F
J.Fish.Res.Bd Can., 21(2):291-318
Rate of movement of populations of Daphnia in relation to changes in light intensity

Fox, H.M. (1964) 10-11390 F
Proc.zool.Soc.Lond., 142(1):165-76
On the larval stages of cyprids and on Siphlocandona (Crustacea, Ostracoda)

Sreenivasan, A. (1963)A 10-11391 F
Curr.Sci., 32(3):130-1
Primary production in three upland lakes of Madras State, India

Goldman, C.R., D.T. Mason & B.J.B. Wood (1963) 10-11392 F
Limnol.& Oceanogr., 8(3):313-22
Light injury and inhibition in Antarctic freshwater phytoplankton

A study on inhibition and injury of the photosynthetic mechanism resulting from high light intensities in the 24-hr Antarctic summer daylight using C^{14} in two small lakes on Cape Evans, Ross Island.

Pirochnikov, P.L. (1961) 10-11393 F
In 10-11015
Zooplankton vodokhranilishch i ego znachenie dlia pitaniia ryb
(Reservoir plankton and its importance as fish food)

Ivanova, M.B. (1963) 10-11394 F
Dokl.Akad.Nauk SSSR, 153(4):936-8
(Growth and reproduction of Eucyclops serrulatus (Fisch.) in water of different pH in aquarium conditions). Ru

Ivanova, M.B. (1964) 10-11395 F
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 153(1-6):1516-8
Growth and reproduction of Eucyclops serrulatus (Fisch.) in water of different pH in aquarium conditions

En 10-11394.

Vuxanovici, A.L. (1963) 10-11396 F
Stud.Cercet.Biol.(anim.), 15(2):199-222
Contributii la studiul speciilor din subordinul Hypotricha (Ciliata)
(Contribution to the study of some species of the sub-order Hypotricha (Ciliata)).
Ro Fr Ru

Describes 14 spp. from the water basin of the Bucarest area.

Cure, V. (1963) 10-11397 F
Stud.Cercet.Biol.(anim.), 15(2):247-72
Contributii la cunoasterea tendipedidelor (larve) din sectorul romînesc al Dunării
(Contribution to the knowledge of the Tendipedidae (larvae) of the Roumanian section of the Danube). Ro Fr Ru

Faunistic study with ecological remarks.

Perini, F. (1963)C 10-11398 F
Thesis, Brandeis University, 167 p.
Physico-chemical characteristics and cellular localization of cytochromes in Euglena

DA 24(12)4969.

Williams, L.G. (1964) 10-11399 F
Ecology, 45(4):809-23
Possible relationships between plankton-diatom species numbers and water-quality estimates

A comparative study on samples taken from lakes and rivers of U.S.A.

Blum, J.J. & D.E. Buetow (1963)A 10-11400 F
Biochim.biophys.Acta, 68(4):625-32
Effects of actinomycin D on acetate-starved and logarithmically growing Euglena gracilis

Raleigh, R.F. (1963) 10-11401 F
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (423):14 p.
The composition, abundance, and depth distribution of the 1957 summer net zooplankton of Bare Lake, Alaska, after fertilization

Bare Lake was artificially fertilized with various phosphates and sodium nitrate each summer over a 7-year period (1950-56). During the third season of fertilization (1952), it was found that although many factors in the lake's ecology had changed, the zooplankton population had remained remarkably stable. In 1957, the zooplankton was again examined and was found to have increased at least threefold in abundance over the 1952 population. In addition, although the lake has a maximum depth of only 7.5 meters, the distribution of zooplankters by species showed a definite change with depth.

Nielsen, E.S. (1963) 10-11402 F
Physiol.Plant., 16(2):466-9
On bicarbonate utilization by marine phytoplankton in photosynthesis. With a note on carbamino carboxylic acids as a carbon source

Re 8-03172, 61-09363.

Ebringer, L. (1963) 10-11403 F
Biológia, 18(5):371-6
Apochloróza buniek Euglena gracilis indukovaná erytromycínom
(The apochlorosis of the cells of Euglena gracilis induced by use of erythromycine).
Slovy

Enăceanu, V. (1964) 10-11404 F
Arch.Hydrobiol.Suppl., 27(4):442-56
Das Donauplankton auf rumänischem Gebiet (km 488 bis Km 345)
(The plankton in the river Danube on the Rumanian territory (km 488 - km 345)).
Fr

Zimmerman, A.M. (1964) 10-11405 F
Biol.Bull.,Woods Hole, 127(3):538-45
The effects of mercaptoethanol upon form and movement of Amoeba proteus

Belsky, M.M., P.A. Siegenthaler & L. Packer (1965) 10-11406 F
Plant Physiol., 40(2):290-3
Evidence for conformational changes in Euglena chloroplasts

Green, J. (1963) 10-11407 F
Proc.zool.Soc.Lond., 141(3):497-514
Zooplankton of the River Sokoto, the Rhizopoda Testacea

Most of the 32 spp. collected are adventitious in the plankton, and are most abundant in the wet season when the river is in flood. Four spp.: Arcella vulgaris, Difflugia limnetica, D. lobostoma and Centropyxis aculeata occur regularly in the plankton during the dry season, and show evidence of producing light shelled forms which adopt a planktonic mode of life.

Štěpánek, M. et al. (1963) 10-11408 F
Sborn.vys.Sk.chem.-technol.,Praha, 7(2):175-263
Water blooms in the ČSSR. Cs Ru

Hrbáčková-Esslová, M. (1963) 10-11409 F
Int.Rev.Hydrobiol., 48(2):325-33
The development of three species of Daphnia in the surface water of the Slapy reservoir

D. pulicaria Forbes, D. pulex De Geer, D. hyalina Leydig.

Carell, E.F. & C.A. Price (1965) 10-11410 F
Plant Physiol., 40(1):1-7
Porphyrins and the iron requirement for chlorophyll formation in Euglena

Huver, C.W. (1963) 10-11411 F
Copeia, (3):591-2
A chemical technique for dechlorinating teleost eggs

Manuilova, E.F. (1961) 10-11412 F
Nauch.Dokl.vyssh.Shk.(biol.), 2:19-22
Gibel' zooplanktona kak faktor narastaniia chislennosti bakterii v vodoemakh
(Zooplankton destruction as a factor in the growth of the bacterial population in bodies of water)

Thomasson, K. (1963) 10-11413 FG
Int.Rev.Hydrobiol., 48(4):627-8
Die Kugelkurven in der Planktologie
(Sphere volume curves in planktology)

Discusses the use of volume equations in drawing curves for expressing counts of planktonic organisms.

Saadi, A.W. (1964) 10-11414 FG
Arch.Hydrobiol., 60(3):374-8
Zwei neue hydrobiologische Geräte zur Probeentnahme von Ufertieren und Teichplankton
(Two new hydrobiological apparatus for sampling the shore animals and pond plankton)

Maguire, B. Jr. (1963) 10-11415 FG
Ecol.Monogr., 33(2):161-85
The passive dispersal of small aquatic organisms and their colonization of isolated bodies of water

Methods included: 1. Quantitative observations of colonization of isolated bodies of water, and, 2. Determination of the aquatic biota carried by non-aquatic birds and insects, and washed from the atmosphere by rain. Periodic examination of shielded wide mouth bottles originally filled with sterile, artificial lake water, placed at various heigths above the ground and distances from ponds in two localities: Central Texas and the mountains of Colorado.

Swan, E.F. (1962) 10-11416 M
Canad.J.Zool., 40(7):1211-22
Evidence suggesting the existence of two species of Strongylocentrotus (Echinoidea) in the northwest Atlantic

Taxonomic comparison of Strongylocentrotus pallidus and S. droebachiensis.

Eggleston, D. (1962) 10-11417 M
Rep.Mar.biol.Sta.Pt Erin, (74):29-32
Spat of the scallop (Pecten maximus (L.)) from off Port Erin, Isle of Man

Waugh, G.D. (1964) 10-11418 M
Ann.appl.Biol., 54(3):423-40
Observations on the effects of chlorine on the larvae of oysters (Ostrea edulis (L.)) and barnacles (Elminius modestus (Darwin))

Catala, R. (1964)BC 10-11419 M
Paris, Editions R. Sicard, 140 p.
Carnival under the sea

Tells how author made discovery of coral fluorescence.

Reyment, R.A. (1963) 10-11420 M
Ann.Mag.nat.Hist., 6(65):271-2
Occurrence of a recent Paijenborchellina (Ostr., Crust.)

Karande, A.A. & V.C. Palekar (1964) 10-11421 M
Ann.Mag.nat.Hist., 6(64):231-4
On a shore barnacle Chthamalus malayensis Pilsbry from Bombay, (India)

Gee, J.M. (1964) 10-11422 M
Ann.Mag.nat.Hist., 6:705-15
On the taxonomy and distribution in South Wales of Filograna, Hydroides and Mercierella (Polychaeta: Serpulidae)

Pillai, N.K. (1964) 10-11423 M
Ann.Mag.nat.Hist., 6:739-43
Isopod parasites of Indian mysids

Clark, R.B. & P.G. Dawson (1964) 10-11424 M
Ann.Mag.nat.Hist., 6(71):641-57
On some polychaetes from the Firth of Clyde and the west of Scotland

Hamond, R. (1964) 10-11425 M
Ann.Mag.nat.Hist., 6(71):659-70
Further notes on the Hydrozoa of the Norfolk coast

Menon, P.K.B., A.K. DattaGupta & P. Johnson (1964) 10-11426 M
Ann.Mag.nat.Hist., 7(73):49-57
Report on the bonellids (Echiura) collected from the Gulf of Kutch and Port Blair (Andaman Island)

Güven, K.C. & E. Atkin (1964) 10-11427 M
Bot.mar., 7(1-4):1-3
Studies on antilipaemic and anticoagulant properties of the algae collected from Turkish coasts. De

Munda, I. (1964) 10-11428 M
Bot.mar., 7(1-4):76-88
The quality and chemical composition of Ascophyllum nodosum (L) Le Jol. along the coast between the rivers Olfusá and Thjorsá (Southern Iceland). De

Norris, R.E. (1964) 10-11429 M
Bot.mar., 7(1-4):90-129
The morphology and taxonomy of South African Kallymeniaceae. De

Jaasund, E. (1964) 10-11430 M
Bot.mar., 6(1-2):129-33
Marine algae from Northern Norway. 3. De

Almodovar, L.R. (1964) 10-11431 M
Bot.mar., 6(1-2):143-6
Ecological aspects of some antibiotic algae in Puerto Rico

Conover, J.T. & J.McN. Sieburth (1964) 10-11432 M
Bot.mar., 6(1-2):147-57
Effect of Sargassum distribution on its epibiota and antibacterial activity. De

Gilmour, T.H.J. (1964) 10-11433 M
J.Mar.biol.Ass.U.K., 44(2):485-98
The structure, ciliation and function of the lip-apparatus of Lima and Pecten (Lamellibranchia)

Kurup, N.G. (1964) 10-11434 M
Gen.comp.Endocr., 4:90-112
The incretory organs of the eyestalk and brain of the porcelain crab, Petrolisthes cintipes Randall (Reptantia-Anomura)

Offers a clue to the organization and behaviour of the neuroendocrines of the head of anomurous Reptantia, particularly those having pedunculated eyes.

Fingerman, M., M. Miyawaki & C. Oguro (1963) 10-11435 M
Gen.comp.Endocr., 4:496-504
Effects of osmotic pressure and cations on the response of the melanophores in the fiddler crab, Uca pugnax, to the melanin-dispersing principle from the sinus gland

Specimens collected along the shore of Biloxi Bay, Mississippi, were used in this investigation. The results were discussed in relation to the findings of other investigators.

Clark, R.B. & R.J.G. Ruston (1963) 10-11436 M
Gen.comp.Endocr., 3:529-42
The influence of brain extirpation on oogenesis in the polychaete Nereis diversicolor

The effect upon oocyte growth of a sudden reduction in the level of juvenile hormone by extirpation of the supra-esophageal ganglion of worms of various ages was investigated.

BENTHOS

Clark, R.B. & R.J.G. Ruston (1963) 10-11437 M
Gen.comp.Endocr., 3:542-53
Time of release and action of a hormone influencing regeneration in the polychaete Nereis diversicolor

Some of the factors relating to regenerative growth, and the relationship between hormones controlling regeneration and maturation are considered.

Sitakara, R.V. & U.K. Tipnis (1964) 10-11438 M
Curr.Sci., 33(1):16-7
Protein content of marine algae from Gujarat coast

Kanatani, H. (1964) 10-11439 M
Science, 146(3648):1177-9
Spawning of starfish: Action of gamete-shedding substance obtained from radial nerves

An extract of the radial nerves of Asterias amurensis induces meiosis and brings on spawning.

Tatewaki, M. & L. Provasoli (1964) 10-11440 M
Bot.mar., 6(3/4):193-203
Vitamin requirements of three species of Antithamnion. De

Nizamuddin, M. (1964) 10-11441 M
Bot.mar., 6(3/4):204-23
Studies on the genus Caulerpa from Karachi.
Fr De

Olesen, P.E., A. Maretzki & L.A. Almodovar (1964) 10-11442 M
Bot.mar., 6(3/4):224-32
An investigation of antimicrobial substances from marine algae. De

Brown, J.M.A. & A. Johnson (1964) 10-11443 M
Bot.mar., 6(3/4):233-46
Preliminary studies on the ecology and physiology of Scytothamnus australis (J. Agardh) Hk, et Harv. 1845. Fr De

Wilce, R.T. & R.W. Lee (1964) 10-11444 M
Bot.mar., 6(3/4):251-8
Lomentaria clavellosa in North America

ANON. (1964) 10-11445 M
Surv.China Mainland Press, 3139:10-1
Aquatic production - rapid development of seaweed cultivation in East China

The Institute of Oceanology at Tsingtao, Mainland China, has developed a high yielding variety of an edible green alga which can tolerate comparatively high sea water temperatures. Artificial cultivation of this seaweed has rapidly been developed since 1958 along the coast of Shangtung Province, while formerly this species of seaweed was adapted only to cold sea water north of the 40th parallel.
TA June, 1964.

Thivy, F. & V.D. Chauhan (1964)A 10-11446 M
Hydrobiologia, 23(1/2):292-9
Sargassum johnstonii Setchell & Gardner, a new record for the Indian Ocean region

Dow, R.L. (1964) 10-11447 M
J.Cons., 28(3):425-31
A comparison among selected marine species of an association between sea water temperature and relative abundance

Considers the influence of water temperature on abundance and availability of Homarus americanus, Pandulus borealis and Placopecten magellanicus from Maine waters.

Neiman, A.A. (1963) 10-11448 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):145-205
Kolichestvennoe raspredelenie bentosa na shel'fe i verkhnikh gorizontakh sklona vostochnoi chasti Beringova moria
(Quantitative distribution of benthos on the shelf and the upper part of the slope in the eastern portion of the Bering Sea)

Discusses results of surveys, the biomass, categories, environment and behaviour of benthos (list of 100 main species) belonging to 40 biocenoses (number of leading species).
FAO:orloff

Ivanov, B.G. (1963) 10-11449 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):207-18
Nekotorye dannye o biologii krevetok zapadnoi chasti zaliva Aliaska
(Some data on shrimp biology in the western portion of the Gulf of Alaska)

Describes the scientific survey in the spring of 1961, the biologic features of collected shrimps, composition in catches, the points and number of trawlings.

Aristov, L.B. (1963) 10-11450 M
Trud.veseoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):219-22
Nekotorye dannye o sostave i raspredelenii amfipod vostochnoi chasti Beringova moria
(Some data on the composition and distribution of Amphipoda in the eastern part of the Bering Sea)

Lists 89 sp. of Amphipoda found by the 1958 expedition in the eastern Bering Sea; their distribution indicates the limit between arctic and boreal waters.

Hartman, H.B. (1962) 10-11451 M
Masters Abstr., 1(2):3
Gamete shedding with radial nerve extracts from Asterias vulgaris Verrill and Henricia sanguinolenta (Muller)

Neural extracts of these species were found to stimulate shedding of gametes.
Thesis available from University Microfilms, Inc., Ann Arbor, Michigan.

Logan, B.W. et al. (1964) 10-11452 M
J.Geol., 72(1):68-83
Classification and environmental significance of algal stromatolites

Proposes a new classification of algal stromatolite structures based upon their geometric forms and relates these forms to their sites of growth relative to sea-level environments.
Ci 62-02501.

Lloyd, R.M. (1964) 10-11453 M
J.Geol., 72(1):84-111
Variations in the oxygen and carbon isotope ratios of Florida Bay mollusks and their environmental significance

Examination of the fluctuations in the oxygen and carbon isotope chemistry and determination of how these variations are reflected in mollusk shells.

Gilbert, A.B. (1962) 10-11454 M
Thesis, Durham Univ.
The composition of the blood of the shore crab Carcinus moenas (Pennant) in relation to sex and body size

Juchault, P. & J.-J. Legrand (1965) 10-11455 M
C.r.hebd.Séanc.Acad.Sci.,Paris, (12),260(5):1491-4
Contribution à l'étude des systèmes de neurosécrétion d'Anilocra psysodes L. (Crustacé Isopode, Cymothoidae)
(Contribution to the study of the neurosecretional system of Anilocra psyodes L. (Crustacea, Isopoda, Cymothoidae))

Describes the organ of de Bellonci as independent from the sinus gland.

Demeusy, N. (1965) 10-11456 M
C.r.hebd.Séanc.Acad.Sci.,Paris, (12), 260(1):323-6
Nouveaux résultats concernant les relations entre la croissance somatique et la fonction de reproduction du décapode brachyoure Carcinus maenas L. Cas des femelles suivies pendent l'hiver
(New results concerning the relationship between body growth and reproductive function in the brachyurian decapod C. maenas. Case of females followed up during the winter)

Walne, P.R. (1964) 10-11457 M
J.Mar.biol.Ass.U.K., 44:293-310
Observations on the fertility of the oyster (Ostrea edulis)

Jones, W.C. (1964) 10-11458 M
J.Mar.biol.Ass.U.K., 44:311-31
Photographic records of living oscular tubes of Leucosolenia variabilis. 2. Spicule growth, form and displacement

Floodgate, G.D. (1964) 10-11459 M
J.Mar.biol.Ass.U.K., 44:365-72
The enumeration of bacteria in coastal waters

George, J.D. (1964) 10-11460 M
J.Mar.biol.Ass.U.K., 44:373-88
On some environmental factors affecting the distribution of Cirriformia tentaculata (Polychaeta) at Hamble

Kain, J.M. (1964) 10-11461 M
J.Mar.biol.Ass.U.K., 44:415-33
Aspects of the biology of Laminaria hyperborea. 3. Survival and growth of gametrophytes

Co 8-09196.

Bryan, G.W. (1964) 10-11462 M
J.Mar.biol.Ass.U.K., 44(3):549-63
Zinc regulation in the lobster (Homarus vulgaris. 1. Tissue zinc and copper concentrations

Buchanan, J.B. (1964) 10-11463 M
J.Mar.biol.Ass.U.K., 44(3):565-76
A comparative study of some features of the biology of Amphiura filiformis and Amphiura chiajei (Ophiuroidea) considered in relation to their distribution

Binyon, J. (1964) 10-11464 M
J.Mar.biol.Ass.U.K., 44(3):577-88
On the mode of functioning of the water vascular system of Asterias rubens L.

Russell, G. (1964) 10-11465 M
J.Mar.biol.Ass.U.K., 44(3):601-12
Laminariocolax tomentosoides on the Isle of Man

McIntyre, A.D. (1964) 10-11466 M
J.Mar.biol.Ass.U.K., 44(3):665-74
Meiobenthos of sub-littoral muds

Eltringham, S.K. (1964) 10-11467 M
J.Mar.biol.Ass.U.K., 44(3):675-83
Blood concentrations of Limnoria (Isopoda) in relation to salinity

Álvarez, R.Z. (1963) 10-11468 M
Invest.pesq., (22):145-56
Campaña carcinológica del verano de 1961 en el litoral de la provincia de Gerona (Carcinological cruise in the summer of 1961 on the coast of the province of Gerona). En

A list of Decapoda collected near Cadaqués, western Mediterranean.

Ramalingam, K. (1963) 10-11469 M
Curr.Sci., 32:25-6
Marine cercariae from the Pamban mudflat

BSEA 9(3)1987.

Baraiya, E.S. (1963) 10-11470 M
Curr.Sci., 32:35
Occurrence of a branched oviduct in Panulirus polyphagus

BSEA 9(3):1988.

Muntz, W.R.A. (1962) 10-11471 M
Thesis, Oxford Univ.
Interocular transfer in Octopus vulgaris

Evans, S.M. (1963) 10-11472 M
Anim.Behav., 11(1):172-8
The effect of brain extirpation on learning and retention in nereid polychaetes

Presents results of learning experiments on Nereis diversicolor, N. virens and Paranereis cultrifera. N. virens learnt from massed trials but not from grouped trials after brain removal, though retention was as in intact worms.

Marsden, J.R. (1963) 10-11473 M
Canad.J.Zool., 41(2):159-64
A preliminary report on digestive enzymes of Hermodice carunculata

Extracts of the various regions of the digestive tract of H. carunculata (Amphinomidae:Polychaeta) tested for the digestion of olive oil, gelatin, fish flesh, and starch and for the production of glucose.

Ronald, K. (1963) 10-11474 M
Canad.J.Zool., 41(2):197-217
The effects of physical stimuli on the larval stage of Terranova decipiens. 3. Electromagnetic spectrum and galvanotaxis

Considers nematode's response to artificially produced stimuli.
Co 10-12440.

Marsden, J.R. (1963) 10-11475 M
Canad.J.Zool., 41(2):165-84
The digestive tract of Hermodice carunculata (Pallas). Polychaeta: Amphinomidae

The various parts of the digestive tract were tested for Y metachromasia with azure A and were treated with the periodic acid Schiff technique. The stomatogastric nervous system was followed.

Kuznetsov, V.V. (1960)BC 10-11476 M
Moscow/Leningrad
Beloe more i biologicheskie osobenosti ego flory i fauny
(The White Sea and the biological characteristics of its flora and fauna)

Discusses physical-geographical changes in the White Sea influenced by the continental runoff, tide currents and the winter fast ice, and some of the hydrometeorological characteristics of the White Sea.

Kuznetsov, V.V. (M. Slessers, Transl.)(1963) 10-11477 M
NOO-Trans-172:42 p.
The White Sea and the biological characteristics of its flora and fauna: selected chaps

En 10-11476. Partial translation only.
Available from Office of Technical Services, U.S. Department of Commerce, Washington D.C.

Zaitsev, Yu.P. (1963) 10-11478 M
5828.4(5 315)
Apparatus and technique for studying hyponeuston

En 10-11479.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Zaitsev, Iu.P. (1962)B 10-11479 M
Rep.ecol.Conf., (4):107-9
(Apparatus and technique for studying hyponeuston). Ru

Engel, H. & C.J. Eeken (1962) 10-11480 M
Bull.Sea Fish.Res.Sta.,Haifa, (30):15-34
Red Sea Opisthobranchia from the coast of Israel and Sinai

Issued also as: Contr.Knowl.Red Sea, (22).

Ryland, J.S. (1964) 10-11481 M
Ann.Mag.nat.Hist., 6(69):537-9
Notes on marine Polyzoa 2. Bugula gracilis Busk

Ryland, J.S. (1964) 10-11482 M
J.Mar.biol.Ass.U.K., 44(3):645-54
The identity of some cyphonautes larvae (Polyzoa)

Arakawa, K.Y. (1963) 10-11483 M
Publ.Seto Mar.biol.Lab., 11(2):185-208
Studies on the molluscan faeces. 1

Detailed ill. description of morphological characters of faecal pellets of 50 spp. of molluscs collected in the Inland Sea of Seto and neighbouring areas.
Issued also as: Contr.Miyajima Aquar.Lab., (17).

Baba, K. & I. Hamatani (1963) 10-11484 M
Publ.Seto Mar.biol.Lab., 11(2):339-43
A cuthonid, Cuthona alpha n. sp., with a radula of Catriona type (Nudibranchia Eolidoidea)

Ill. morphological description of C. alpha n. sp. combining radula of Catriona type and penis of Cuthona type; tentative synopsis of Cuthonidae.

Baba, K. & I. Hamatani (1963) 10-11485 M
Publ.Seto Mar.biol.Lab., 11(2):337-8
A short account of the species, Tenellia pallida (A. & H.), taken from Mukaishima, Japan (Nudibranchia-Eolidoidea)

Ill. morphological description; synonyms; distribution.
Issued also as: Contr.Mukaishima Mar.biol. Sta., (74).

Baba, K. & I. Hamatani (1963) 10-11486 M
Publ.Seto Mar.biol.Lab., 11(2):399-401
Anatomy of Embletonia gracilis paucipapillata n. sp. from Osaka Bay, Japan (Nudibranchia-Eolidoidea)

Specimens previously referred to E. gracilis are revised and identified as E. gracilis and E. gracilis paucipapillata n. sp. The anatomy of the latter is described and ill.

Chance, B. et al. (1963) 10-11487 M
Biochem.Z., (338):654-68
Cytochrome-chlorophyll interaction: the nature of the dark reaction. De

The kinetics of light induced cytochrome oxidation and dark reduction in intact cells of Chromatium & Rhodospirillum rubrum were studied by spectrophotometric recording of absorbancy changes caused by illumination or oxygen depletion of cell cultures.

Cheng, S.-C., & H. Waelsch (1963) 10-11488 M
Biochem.Z., (338):643-53
Some quantitative aspects of the fixation of carbon dioxide by the lobster nerve

In order to ascertain whether CO$_2$ fixation occurs in nervous tissue of invertebrate animals, nerves isolated from walking legs of Homarus americanus were incubated in the presence of ^{14}C labelled sodium bicarbonate. Extracts were then assayed for some radioactive organic acids involved in the metabolism of the nervous tissue. The effect of ouabain on CO$_2$ fixation was also investigated.

Cherbonnier, G. (1963) 10-11489 M
Bull.Mus.Hist.nat., Paris, 35(5):515-20
Deux nouvelles holothuries apodes des eaux de Dakar
(Two new apodal holothurians from the waters of Dakar)

Ill. morphological description of Leptosynapta marchadi nov. sp. and Chiridota conceptacula nov. sp., with notes on relations and differences.

Dechancé, M. (1963) 10-11490 M
Bull.Mus.Hist.nat., Paris, 35(5):488-95
Développement direct chez un paguride, Paguristes abbreviatus Dechancé, et remarques sur le développement des Paguristes
(Direct development in a pagurid, Paguristes abbreviatus Dechancé, with remarks on the development of Paguristes)

Ill. description of the glaucothoe.

Durve, V.S. (1963)A 10-11491 M
J.mar.biol.Ass.India, 5(2):221-31
A study on the rate of filtration of the clam Meretrix casta (Chemnitz)

George, P.C., M.J. George & P. Vedavyasa Rao (1963) 10-11492 M
J.Mar.biol.Ass.India, 5(2):284-8
Metapenaeus kutchensis sp. nov., a penaeid prawn from the Gulf of Kutch

Ill. morphological description and comparison with M. monoceros and M. affinis.

Balasubramanyan, R. & T.R. Menon (1963)A 10-11493 M
J.Mar.biol.Ass.India, 5(2):294-310
Destruction of boat building timbers by marine organisms in the Port of Cochin.
1. Raft tests

Ghiselin, M.T. (1963) 10-11494 M
Publ.Seto Mar.biol.Lab., 11(2):389-98
On the functional and comparative anatomy of Runcina setoensis Baba, an opisthobranch gastropod

Description of general anatomy; feeding mechanism and functional anatomy of the gut; gill structure; central nervous system; reproductive system and copulatory behaviour. Discussion of various structural peculiarities and systematic position.
Issued also as: Contr.Seto Mar.biol.Lab., (406).

Ghosh, A. (1963) 10-11495 M
J.mar.biol.Ass.India, 5(2):239-45
On a collection of Polychaeta from the south-east coast of India with a new eunicid record

Lists 16 spp. and 2 varieties with brief notes on morphology and distribution.

Hernandorena, A. (1963) 10-11496 M
Bull.Mus.Hist.nat., Paris, 35(5):507-14
Mise en évidence de l'action de la vitamine B$_{12}$ sur la survie d'Artemia salina
(Demonstration of the action of vitamin B$_{12}$ on the survival of Artemia salina)

Artemia were raised in artificial seawater and fed a diet lacking vitamin B$_{12}$.

Migita, S. (1963) 10-11497 M
Bull.Fac.Fish.Nagasaki, (15):24-48
(Studies on ecology and culture of
Undaria peterseniana). Ni En

Investigation of growth of sporophytes which were germinated in the laboratory and cultured in the sea.

Murakami, S. (1963) 10-11498 M
Publ.Seto Mar.biol.Lab., 11(2):171-84
On some ophiurans from Kii and vicinities with description of a new species

Notes on collection locality and distribution of 23 spp. belonging to 5 families and ill. morphological description of Ophiopsila squamifera sp. nov.
Issued also as: Contr.Seto Mar.biol.Lab., (402).

Murayama, K. (1963) 10-11499 M
J.Fac.Sci.Hokkaido (6), 15(2):212-24
Inhibitory effect on the mechanical responses of the cheliped muscle of the crayfish

Experiment to show how the muscular contraction can be inhibited mechanically when stimuli at various frequencies in various combinations are applied to the excitatory and inhibitory nerve simultaneously in the crayfish neuromuscular preparation, and to clarify the inhibitory mechanism of the crayfish cheliped muscle.

Nagabhushanam, R. (1963) 10-11500 M
J.Mar.biol.Ass.India, 5(2):316-7
Neurosecretory cells of the bivalve, Yoldia limatula

Investigation of cerebral, pedal and visceral portions of the central nervous system.

Pillai, N.K. (1963) 10-11501 M
J.Mar.biol.Ass.India, 5(2):263-8
Description of a new species of Bathymysis with a revised definition of the genus

Detailed ill. description of Bathymysis varunae n. sp. and revised definition of the genus.

Pillai, N.K. (1963) 10-11502 M
J.Mar.biol.Ass.India, 5(2):258-62
On a new mysid from the inshore waters of the Kerala coast

Detailed ill. morphological description of Doxomysis longiura n. sp.

Rangarajan, K. (1963) 10-11503 M
J.Mar.biol.Ass.India, 5(2):251-7
A new species of Scyphoproctus Gravier (family Capitellidae) from the Gulf of Mannar, South India

Ill. morphological description of S. variabilis and comparison of important characteristics with those of other spp.

Sankarankutty, C. (1963) 10-11504 M
J.Mar.biol.Ass.India, 5(2):273-9
On three species of porcellanids (Crustacea-Anomura) from the Gulf of Mannar

Ill. morphological description of Procellanella haigae sp. nov. with note on juveniles and comparison with P. triloba; note on Petrolisthes ohshimai and Pisidia spinulifrons.

Sankolli, K.N. (1963) 10-11505 M
J.Mar.biol.Ass.India, 5(2):280-3
On a new species of porcellanid crab (Decapoda, Anomura) from India

Ill. morphological description; synonomy; diagnosis of Porcellana gravelei sp. nov.

Tampi, P.R.S. (1963) 10-11506 M
J.Mar.biol.Ass.India, 5(2):246-50
On the swarming of heteronereids in the Gulf of Mannar

Brief description and discussion of spawning phenomenon of the heteronereid polychaets in the Gulf of Mannar.

Tokioka, T. (1963) 10-11507 M
Publ.Seto Mar.biol.Lab., 11(2):373-87
Notes on Cephalophyge trematoides (Chun) collected off the central and northern Chilean coast (Nudibranchia: Phyllirhoidae)

Range of several variations found in the collection and some ill. morphological notes as an aid to taxonomy. Measurements of 66 specimens are given.
Issued also as: Contr.Seto Mar.biol.Lab., (405).

Tokioka, T. (1963) 10-11508 M
Publ.Seto Mar.biol.Lab., 11(2):415-24
Supposed effects of the cold weather of the winter 1962-63 upon the intertidal fauna in the vicinity of Seto

Census of echinid population remaining in the lower intertidal zone as a step toward ascertaining the method of re-establishment of the population of Echinometra whose niche appeared to be taken over by Anthocidaris crassispina.
Issued also as: Contr.Seto Mar.biol.Lab., (408).

Tokioka, T. & E. Harada (1963) 10-11509 M
Publ.Seto Mar.biol.Lab., 11(2):425-34
Further notes on Phyllosoma utivaebi Tokioka

Description of 16 specimens stranded on a beach, 15 of which conform to previous description, the other being smaller representing a younger stage.
Issued also as: Contr.Seto Mar.biol.Lab., (409).

Tomlinson, J.T. (1963) 10-11510 M
Publ.Seto Mar.biol.Lab., 11(2):263-80
Two new acrothoracican cirripeds from Japan

Ill. morphological description of Utinomia newmani sp. nov. and Kochlorine habei sp. nov. and establishment of the fact that the caudal appendages are homologous to the caudal appendages of the thoracica.
Issued also as: Contr.Seto Mar.biol.Lab., (403).

Virabhadra Rao, K. & K. Prabhakara Rao (1963) 10-11511 M
J.Mar.biol.Ass.India, 5(2):232-8
Stiliger nigrovittatus sp. nov., a sacoglossan mollusc from the Gulf of Mannar

Ill. morphological and anatomical description, with notes on early development. Discussion of systematic position and comparison with other spp. of Stiliger.

Voss, G.L. (1963) 10-11512 M
Philipp.Abstr., 5(1):17
Cephalopods of the Philippine Islands

Records and describes 54 spp. of cephalopods collected in the Philippines and adjacent seas; an artificial key is given.
Issued also as: Bull.U.S.nat.Mus., (234):180 p.

Young, J.Z. (1964) 10-11513 M
Proc.roy.Soc.(B), 159(977):565-88
Paired centres for the control of attack by Octopus

Casey, R.P. et al. (1963)A 10-11514 M
Food Tech., Chicago, 17(8):85-9
Mass culture of Chlorella

Buchanan, J.B. (1963) 10-11515 M
Proc.zool.Soc.Lond., 141(2):251-9
Mucus secretion within the spines of ophiuroid echinoderms

Histological examination of ten spp.; eight have mucous glands. Possible functions of gland secretions are discussed.

Segerstrale, S.G. (1963)A 10-11516 M
Comment.biol., Helsinki, 24(7):26 p.
Investigations on Baltic populations of the bivalve Macoma baltica (L.). Part 2. What are the reasons for the periodic failure of recruitment and the scarcity of Macoma in the deeper waters of the inner Baltic ?

Barnes, H. & M. Barnes (1963) 10-11517 M
Comment.biol., Helsinki, 24(4):7 p.
Salinity and the biometry of Balanus improvisus

Comparative study of animals growing under widely different salinities.

Barnes, H. & M. Barnes (1963) 10-11518 M
Comment.biol., Helsinki, 24(5):10 p.
A note on Balanus improvisus in Finnish waters

Notes concerning the species on the Finnish coasts and a brief summary of the biology of the species with factors restricting their abundance.

Adey, W.H. (1964) 10-11519 M
Hydrobiologia, 24(1/3):377-420
The genus Phymatolithon in the Gulf of Maine

New information on anatomy, cytology and development of reproductive structures is presented to show that Phymatolithon is a genus distinct from both Clathromorphum and the branching members of Lithothammium. Also, a new species of Phymatolithon, Ph. rugulosum, is described. The reproductive cycles and geographic and bathymetric distributions of Ph. laevigatum and Ph. rugulosum in the Gulf of Maine are presented and discussed.

Tardent, P. (1963) 10-11520 M
Biol.Rev., 38(3):293-333
Regeneration in the Hydrozoa

Structural basis of regeneration; physiological aspects; biological significance; discussion.

Graciela, C. & G.A. Candelas (1963) 10-11521 M
Ecology, 44(3):595-7
Notes on the seasonal distribution of the sponge Hymeniacidon heliophila at Beaufort, North Carolina

Discusses records of water temperatures, salinity and colony numbers in 1959. A littoral form varied in abundance whereas a benthic form did not. Low air temperatures or competition with winter algae are suggested as limiting factors in the littoral.

Feder, H.M. (1963) 10-11522 M
Ecology, 44(3):505-12
Gastropod defensive responses and their effectiveness in reducing predation by starfishes

Describes behavioural defense mechanisms of 5 types of gastropod. A sp. of Acmaea which showed no response in the presence of starfish was more often devoured than common spp. of same genus of limpets. The agent producing the response is mainly associated with the epithelium of the water vascular system.

Margolin, A.S. (1964) 10-11523 M
Ecology, 45(1):191-3
A running response of Acmaea to seastars

Five common spp. of the genus Acmaea (Gastropoda) and seastars belonging to the orders Forcipulata, Phanerozoma, & Spinulosa were observed.

Paine, R.T. (1963) 10-11524 M
Ecology, 44(1):63-73
Trophic relationships of 8 sympatric predatory gastropods

Evidence has been presented for the reality of a subweb whose membership incl. certain adult pelecypods and gastropods inhabiting a fairly homogeneous stabilized sandbar in the mouth of Alligator Harbor, Florida.

Schütz, L. (1963) 10-11525 M
Int.Rev.Hydrobiol., 48(3):361-418
Ökologische Untersuchungen über die Benthosfauna im Nordostseekanal. 1. Autökologie der sessilen Arten
(Ecological investigations on the benthos fauna in the North Sea-Baltic canal. 1. Autecology of the sessil species). En

Work undertaken in 1952-53.

Wright, R. (1963) 10-11526 M
S.Pacif.Bull.(Fr), 13(1):12-5
Cônes meurtriers
(The killing cone shells)

Gives description of most poisonous spp.: Conus marmoreus, C. tulipa, C. aulicus, C. striatus, C. geographus, C. textile, appearing on Samoa and New Caledonian Islands.

Bakus, G.J. (1964) 10-11527 M
Pacif.Sci., 18(1):58-63
Morphogenesis of Tedania gurjanovae Koltun (Porifera)

Adult morphology, larval metamorphosis, biological associates, taxonomic status and distribution of Tedania gurjanovae.

Barnard, J.L. (1964) 10-11528 M
Pacif.Sci., 18(3):315-35
Some bathyal Pacific Amphipoda collected by the U.S.S. ALBATROSS

Classification of some unidentified material from U.S.S. ALBATROSS expeditions of 1888 onwards and establishment of three new spp. (Aristias adrogans, Melita kodiakensis and Photis chiconola) with diagnosis, ill. description, note on collection locality and distribution for each.

Emery, K.O. & A.S. Merrill (1964) 10-11529 M
Oceanus, 10(4):3-7
Combination camera and bottom-grab

Description of a new apparatus combining bottom grab and camera which makes possible identification of organisms shown on bottom photographs. Shows sample photographs, taken at various stations in the Atlantic.

Endean, R. (1964) 10-11530 M
Mem.Qd Mus., 14(4):95-100
A new species of venomous echinoid from Queensland waters

Ill. morphological description of Asthenosoma periculosum sp. nov. and comparison with 4 other spp. of the genus (A. varium, A. ijimai, A. dilatatum, A. intermedium).

Endean, R. & E. Pope (1964) 10-11531 M
Rec.Aust.Mus., 26(9):275-81
Rediscovery of the echinoid Clypeaster tumidus (Tenison-Woods) and an amended description

Redescription of the sp. with ill. of spines and pedicellariae based on two new specimens and re-examination of the holotype. Note on growth changes; relations with other clypeastrids.

Fell, H.B. (1964) 10-11532 M
Proc.roy.Soc.N.Z., 91(1):101-13
The Hudson lecture for 1962. Saint Cuthbert's beads and thunderstones. Sidelights on the search for living fossils

Account of the finding, in living form, representatives of Echinodermata, Mollusca and other phyla known also as fossils.

Ford, C.E.Jr. (1964) 10-11533 M
Pacif.Sci., 18(2):138-45
Reproduction in the aggregating sea anemone, Anthopleura elegantissima

Distribution of sexes; measurement of degree of gonadial development by taking the gonad index each month for two years; measurement of ovarian egg size; comparison between male and female cycles.

Gamo, S. (1964) 10-11534 M
Zool.Mag., Tokyo, 73(2):58-63
(Notes on the abnormalities of some brachyuran crabs). Ni En

Ill. description of exoskeletal abnormalities in 9 spp. of Japanese crabs.

Graham, J. (1964) 10-11535 M
Tuatara, 12(2):68
A large bivalve mollusc as food for wandering sea-anemone

Brief note on discovery of a specimen of Longimactra elongata within a preserved specimen of Phylctenactis sp.

Hamabe, M. (1964) 10-11536 M
Bull.Jap.Soc.sci.Fish., 30(3):209-15
(Study on the migration of squid (Ommastrephes sloani pacificus Streenstrup) with reference to the age of the moon). Ni En

Migration, feeding and sexual behaviour, catch fluctuations studied in relation to the lunar cycle.

Hirata, Y. (1964) 10-11537 M
J.oceanogr.Soc.Japan, 20(3):110-6
(On the macro constituent elements in marine invertebrates). Ni En

Inoue, M. (1964) 10-11538 M
Bull.Jap.Soc.sci.Fish., 30(5):407-12
(On the amount of food required by the Japanese spiny lobster, Panulirus japonicus (V. Siebold), kept in cage in relation to size and temperature). Ni En

Results of experiment carried out in order to obtain information necessary for cultivation.

Igarashi, S. (1964) 10-11539 M
Sci.Rep.Tohoku Univ.(4), 30(1):77-84
A possibility of cytoplasmic inheritance of the male dominancy in Tigriopus japonicus

Fundamental genetic analyses of the sex ratio in T. japonicus.

Kanatani, H. & T. Noumura (1964) 10-11540 M
Zool.Mag., Tokyo, 73(3):65-9
(Separation of gamete-shedding substance in starfish radial nerves by disc electrophoresis). Ni En

Separation of the active principle in an attempt to determine its nature.

Kawaguti, S. & Y. Kamishima (1964) 10-11541 M
Annot.zool.jap., 37(3):147-52
Electron microscopic study on the integument of the echinoid, Diadema setosum

Deals with general structure of the integument, with special reference to the nerve plexus, under the electron microscope.

Kazihara, T. (1964) 10-11542 M
Bull.Fac.Fish.Nagasaki, (16):138 p.
(Ecological studies on marine fouling animals). Ni En

Seasonal changes in fine attaching materials and sessile diatoms; synecology, distribution and biological indicator of fouling communities.

Kubo, I. & T. Masuda (1964) 10-11543 M
Bull.Jap.Soc.sci.Fish., 30(1):14-20
(On the feeding pattern of the Japanese spiny lobster, Panulirus japonicus (V. Siebold)). Ni En

Calculation of amount of food taken during 14 experiments, and determination of feeding pattern in regard to amount of food and diurnal hours of feeding.

Kuwatani, Y. (1964) 10-11544 M
Bull.Jap.Soc.sci.Fish., 30(2):104-13
(Rearing of the pearl oyster, Pinctada martensii (Dunker), on the diet of Skeletonema costatum). Ni En

Estimate of shell growth of oysters kept in culture medium for 62 days as a guide to determining suitability of Skeletonema costatum as food, and a satisfactory feeding pattern.

Maldonado, H. (1964) 10-11545
Z.vergl.Physiol., 47(6):656-74
The control of attack by Octopus. De

The attack pattern of the captive Octopus vulgaris was studied by recording and filming the movements of the octopus, under various conditions of illumination, when a crab was introduced into the aquarium.

Maruyama, T. & M. Hirai (1964)A 10-11546
Bull.Tokai Fish.Res.Lab., (38):99-123
(The Japanese spiny lobster, Panulirus japonicus - Variation in its catch, migration, and effect of closed areas upon the local stocks off Manazuru). Ni

Matsumoto, T. et al. (1964) 10-11547
J.oceanogr.Soc.Japan, 20(3):117-21
(On the micro constituent elements in marine invertebrates). Ni En

McMichael, D.F. (1964) 10-11548
Rec.Aust.Mus., 26(8):265-74
Notes on the genera Amoria Gray, 1855, and Zebramoria Iredale, 1924, (Gastropoda: Volutidae), with descriptions of new species

Some notes on the nomenclature, distribution and characteristics of several spp. of the genera are given. Two new spp. of Amoria are described from eastern Australian localities.

Menez, E.G. (1964) 10-11549 M
Pacif.Sci., 18(2):207-22
The taxonomy of *Polysiphonia* in Hawaii

Discussion of some characteristics, not previously employed, but which appear to be important criteria for delimiting specific entities. One of these is the presence of more than one secondary pit connection between adjacent pericentral cells, the other, the presence of multicellular rhizoids.

Nagao, Z. (1964) 10-11550 M
Annot.zool.jap., 37(3):153-62
The life cycle of the hydromedusa, *Nemopsis dofleini* Maas, with a supplementary note on the life-history of *Bougainvillia superciliaris* (L. Agassiz)

Note on development of hydroids from planulae and ill. description of hydroid and medusa.

Old, W.E.Jr. (1963) 10-11551 M
Treubia, 26(2):71-2
Cowries from the lesser Sunda Islands

Lists 13 spp. belonging to the families Ovulidae and Cypraeidae, and gives collection locality of each.

Orians, G.H. & C.E. King (1964) 10-11552 M
Pacif.Sci., 18(3):297-306
Shell selection and invasion rates of some Pacific hermit crabs

Observations of shell utilization by 6 spp. of Pacific hermit crabs and on some simple laboratory experiments on shell selection; also removal and repopulation experiments.

Pope, E.C. (1964) 10-11553 M
Aust.nat.Hist., 14(11):350
A stinging by a crown-of-thorns starfish

Reports two incidents of stinging by *Acanthaster planci* in tropical waters.

Schultz, G.A. (1964) 10-11554 M
Pacif.Sci., 18(3):307-14
Some marine isopod crustaceans from off the Southern California coast

Description or mention of 10 spp. (*Austrosignum erratum*, *Munna magnifica* and *Aparthura californiensis* being new to science) with diagnoses and notes on collection locality and distribution.

Woodwick, K.H. (1964) 10-11555 M
Pacif.Sci., 18(2):146-59
Polydora and related genera (Annelida, Polychaeta) from Eniwetok, Majuro, and Bikini atolls, Marshall Islands

Ill. description of 7 spp., 5 of which are new. Ecologic and systematic positions of all spp. are discussed.

ANON. (1964) 10-11556 M
Fish.Newslett.Aust., 23(6):19, 27
Abalone - where it's found, how to process it

Distribution, harvesting and processing of abalone.

ANON. (1964) 10-11557 M
Fish.Newslett.Aust., 23(8):23
Squid as seafood - popularity increasing

Note on increasing popularity and brief general notes on the spp.

Hedley, R.H., C.M. Hurdle & I.D.J. Burdett (1964) 10-11558 M
N.Z.J.Sci., 7(3):417-26
Trochammina squamata Jones and Parker (Foraminifera) with observations on some closely related species

Ill. redescription of holotype and comparison with *T. arctica*, *T. challengeri*, *T. ochracea* and *Tritaxis fusca*.

Hulme, S.G. (1964) 10-11559 M
N.Z.J.Sci., 7(3):305-40
Recent Foraminifera from Manukau Harbour, Auckland, New Zealand

Station data; collection and processing methods; description of harbour; general ecology; mechanism of faunal distribution; list of autochthonous and allochthonous spp., general faunal analysis; systematics.

Marinov, T. (1963) 10-11560 M
Dokl.bulgarsk.Akad.Nauk, 16(5):557-61
PONTOCYTHEROMA arenaria n.g. n. sp. - eine neue Ostracode aus der Sand - biozonose des Schwarzen Meeres
(PONTOCYTHEROMA arenaria n.g. n. sp. - a new ostracod from the sand-biocoenosis of the Black Sea)

Dorsett, D.A. (1964) 10-11561 M
Proc.roy.Soc.(B), 159(977):652-87
The sensory and motor innervation of Nereis

Vilenkina, M.N. (1964) 10-11562 M
Dokl.Akad.Nauk SSSR, 159(6):1425-6
Stepen' integratsii gubok s funktsional'noi tochki zreniia
(Integration degree in sponges as viewed in the functional aspect)

Davis, C.C. (1964)A 10-11563 M
Amer.Midl.Nat., 72(1):203-10
A study of the hatching process in aquatic invertebrates. 13. Events of eclosion in the american lobster, Homarus americanus Milne-Edwards (Astacura, Homaridae)

CR 10-12025.

Renaud-Debyser, J. (1965)A 10-11564 M
C.r.hebd.Séanc.Acad.Sci.,Paris(12), 260(3): 955-7
PARASTYGARCTUS higginsi n.g., n. sp. tardigrade marin interstitiel de Madagascar
(PARASTYGARCTUS higginsi n.g., n. sp. interstitial marine tardigrade from Madagascar)

Swedmark, B. (1964) 10-11565 M
Biol.Rev., 39(1):1-42
The interstitial fauna of marine sand

The interstitial environment; the fauna; morphological adaptation; biology; systematic survey; Protozoa, Coelenterata, Turbellaria, Rotifera, Gastrotricha, Nematoda, Archiannelida, Polychaeta, Tardigrada, Crustacea, Mollusca, Bryozoa, Echinodermata, Ascidiacea.

Kasinathan, S. (1963) 10-11566 M
Proc.Indian Acad.Sci.(B), 58(6):367-74
Effect of insulin on carbohydrate metabolism of the bivalve mollusc Meretrix casta (Chemnitz)

Specimens collected from tidal zone of Vellar estuary and kept alive in laboratory aquaria.

Simkiss, K. (1964) 10-11567 M
Nature,Lond., 201(4918):492-3
Variations in the crystalline form of calcium carbonate precipitated from artificial sea water

Records investigation of calcification of Crassostrea virginica to determine which component of sea-water influenced form of precipitates of calcium carbonate.

Horridge, G.A. (1963)A 10-11568 M
Proc.roy.Soc.(B), 157(967):199-222
Proprioceptors, bristle receptors, efferent sensory impulses, neurofibrils and number of axons in the parapodial nerve of the polychaete Harmothoë

Anderson, J.I.W. (1963)C 10-11569 M
Thesis, University of Glasgow.,
Heterotrophic bacteria of North Sea water

Ross, S.S. (1963)C 10-11570 M
Thesis, University of Glasgow.,
A study of yeasts of marine origin

Introduced by review of literature concerning occurrence and composition of yeast flora of marine fish and other parts of marine environment. First section of experimental work concerns collection and maintenance of yeast cultures from various marine sources. Second experimental section deals with the identification of these isolates using the system of Lodder and Kreger-van Rij (1952). Third section of experimental work comprises further studies of isolates. Concludes with discussion concerning occurrence and species distribution of the yeasts isolated during this survey.

Knaggs, F.W. (1963)C 10-11571 M
Thesis, University of Glasgow.,
Developmental and cytological studies in the Rhodophyceae

Studies concerned with ecology, morphology, cytology, and life-history of *Rhodochorton* of common occurrence on shores of Britain.

Davies, P.S. (1963)C 10-11572 M
Thesis, University of Glasgow.,
Physiological aspects of the ecology of *Patella*

An attempt to elucidate reasons for different distributions of two species by investigating some of their relationships with physical environment.

Rendell, J.E. (1963)C 10-11573 M
Thesis, University of Glasgow.,
Comparative study of post-larval feeding mechanisms in the Bivalvia

Description of post-larvae of three spp., of *Nucula*, belonging to the protobranch family Nuculidae.

Walley, L.J. (1964)A 10-11574 M
Nature,Lond., 201(4916):314-5
Histolysis and phagocytosis in the metamorphosis of *Balanus balanoides*

Yoshizawa, T. & G. Wald (1964)A 10-11575 M
Nature,Lond., 201(4917):340-5
Transformations of squid rhodopsin at low temperatures

Jones, G.F. (1964) 10-11576 M
Pacif.Sci., 18(2):160-5
Redescription of *Bolbella californica* Allgen, 1951 (Enchelidiidae: Nematoda), with notes on its ecology off southern California

Analysis of intraspecific variation, based on 79 specimens collected from 18 locations on the southern California mainland shelf. Station data are presented.

Knudsen, J.W. (1964) 10-11577 M
Pacif.Sci., 18(1):3-33
Observations of the reproductive cycles and ecology of the common Brachyura and crablike Anomura of Puget Sound, Washington

Continuous survey of the intertidal and near-shore crab fauna to determine seasonal change in gonad development, egg production, time of fertilization, deposition of eggs etc. and correlation of results with annual environmental changes; determination of trigger mechanisms involved.

Pope, E.C. (1964) 10-11578 M
Trans.roy.Soc.N.Z.(Zool.), 4(16):207-8
Extension of the range of the sea urchin *Pseudoboletia indiana* (Mich.) to the Tasman Sea

Identification of unfamiliar light-coloured sea urchins collected near the mouth of Sydney Harbour, N.S.W.

Suzuki, T. (1963) 10-11579 M
Mem.Fac.Fish.Hokkaido, 11(2):79-153
Studies on the relationship between current boundary zones in waters to the southeast of Hokkaido and migration of the squid, Ommastrephes sloani pacificus (Steenstrup)

Study carried out to clarify the effect of boundary zones on the behaviour of fishes and the formation of fishing grounds; measurement of fishing effort and calculation of index of abundance.

Wear, R.G. (1964) 10-11580 M
Trans.roy.Soc.N.Z.(Zool.), 4(18):229-44
Larvae of Petrolisthes novaezelandiae Filhol, 1885 (Crustacea, Decapoda, Anomura)

Ill. description of zoea and megalopa larvae of P. novaezelandiae from Wellington Harbour, N.Z., with key to zoea larval stages. Comparison with generic larval type and discussion of taxonomy.

Wear, R.G. (1964) 10-11581 M
Trans.roy.Soc.N.Z.(Zool.), 5(2):39-53
Larvae of Petrolisthes elongatus (Milne Edwards, 1837). (Crustacea, Decapoda, Anomura)

The zoea and megalopa larvae of Petrolisthes elongatus from Wellington Harbour, New Zealand, are described and a key to the zoea larval stages is given. The larvae were reared from pre-zoea larvae hatched from ovigerous females in laboratory.

Zenitani, B. & T. Taniguti 10-11582 M
(1963)
Bull.Fac.Fish.Nagasaki, (15):6-9
On the presence of tyrosinase in the byssus or mucus gland of the bivalves

Wada, K. (1964) 10-11583 M
Bull.Jap.Soc.sci.Fish., 30(4):319-25
Studies on the mineralization of the calcified tissue in molluscs. 1. Relations among mantle and its products

Investigation of the relation between epithelial cells and their products in homoplastic transplantation in Pinctada martensii.
Issued also as: Contr.nat.Pearl Res.Lab., (110).

Wada, K. (1964) 10-11584 M
Bull.Jap.Soc.sci.Fish., 30(4):326-30
Studies on the mineralization of the calcified tissue in molluscs. 2. Experiments by the administration of tetracycline on the mineralization of shell

Observation of crystal growth on coverslips inserted between shell valve and mantle of Pinctada martensii, carried out with the administration of tetracycline hydrochloride.
Co 10-11583.
Issued also as: Contr.nat.Pearl Res.Lab., (111).
:aem

Wada, K. (1964) 10-11585 M
Bull.Jap.Soc.sci.Fish., 30(5):385-92
Studies on the mineralization of the calcified tissue in molluscs. 3. Localization and distribution of ^{45}Ca in the mantle tissue and on the growing shell surface in several marine bivalves by radioautography

Observation of local patterns of ^{45}Ca deposition on growing shell surface and distribution of ^{45}Ca in the mantle tissue.
Co 10-11584.

Wada, K. (1964) 10-11586 M
Bull.Jap.Soc.sci.Fish., 30(5):393-9
Studies on the mineralization of the calcified tissue in molluscs. 4. Selective fixation of ^{45}Ca into or onto the metachromatic matter in the processes of shell mineralization

Examination of the selective fixing position of labelled calcium in the organic matrix, using ^{45}Ca, to ascertain the presence of certain specific positions in the organic matrix for crystal nucleation in mineralization of shells.
Co 10-11585.

Wada, K. (1964) 10-11587 M
Bull.Jap.Soc.sci.Fish., 30(6):465-71
Studies on the mineralization of the calcified tissue in molluscs. 5. Radioautographic investigations on the patterns of layer formation

Study undertaken to clarify the difference between growth hills of the nacre and those of the calcitostracum.
Co 10-11586.

Harada, Y. (1964) 10-11588 M
Bull.Jap.Soc.sci.Fish., 30(2):141-6
(Fundamental studies on the production of alginic acid. 1. Investigation of determination method of alginic acid in brown algae). *Ni* En

Determination by Jensen's method, original and modified, and titrimetric method with use of caustic alkali method for decomposition, and comparison of results.

Katayama, T. (1964) 10-11589 M
Bull.Jap.Soc.sci.Fish., 30(5):436-9
(Comparative biochemistry of carotenoid in algae. 1. On carotenoids in *Porphyra tenera* K.). *Ni* En

Siki, H. (1964) 10-11590 M
J.oceanogr.Soc.Japan, 20(3):122-34
Studies on microbial participation to food cycle in the sea. 1. Participation in the microcosm at static condition

Investigation of the microbial ability to convert dissolved organic materials found in concentrations in sea water and of its role in the food cycle.

Branham, J.M. (1963) 10-11591 M
Thesis, Florida State Univ., 93 p.
Inhibition of fertilization by *Fucus* extracts

Mode of action of inhibitors investigated with echinoderm gametes. Chemical nature of the inhibitors was investigated and the extracts were used to elucidate some events of normal fertilization.
DA 24(3):939.

Green, J.P. (1963) 10-11592 M
Thesis, Univ. of Minnesota, 76 p.
An analysis of morphological color change in two species of brachyuran crustaceans

Ghost crab, *Ocypode ceratophthalma*, is light on white sand beaches of Oahu, while on black sand beaches of Hawaii it is dark. Also studies *Uca pugnax* from Cape Cod, Massachusetts.
DA 24(3):1294.

Boltt, R.E. *et al.* (1963) 10-11593 M
J.exp.Biol., 40:713-26
Studies on the myoneural physiology of Echinodermata. 4. The lantern retractor muscle of *Parechinus*: Responses to stimulation by light

Boltt, R.E. *et al.* (1963) 10-11594 M
J.exp.Biol., 40:727-33
Studies on the myoneural physiology of Echinodermata. 5. The lantern retractor muscle of *Parechinus*: Responses to drugs

Co 10-11593.

Mohri, H. *et al.* (1963) 10-11595 M
J.exp.Biol., 40:573-86
Studies on the respiration of sea-urchin spermatozoa. 5. The effect of P-CO2

CR 8-07126.

Keynes, R.D. (1963) 10-11596 M
J.Physiol., 169:690-705
Chloride in squid giant axon

Van Gundy, S.D. *et al.* (1963) 10-11597 M
Nature,Lond., 200:1187-9
Oxygen diffusion rates and nematode movement in cellulose sponges

Mileikovskii, S.A. (1961)B 10-11598 M
Trud.murman.morsk.biol.Inst., (3):147-69
(Some problems on the reproductive ecology of marine bottom invertebrates with pelagic development). *Ru*

Mileikovskii, S.A. (1963) 10-11599 M
9022.56(NS 8)
Some problems on the reproductive ecology of marine bottom invertebrates with pelagic development

En 10-11598.
Available from National Lending Library for Science and Ecology, Boston Spa, Yorkshire.

Chiang, Y.M. (1962) 10-11600 M
Taiwania, 8:167-80
Marine algae collected from Penghu (Pescadores)

BAgr. 28(6)46951.

Chiang, Y.M. (1962) 10-11601 M
Taiwania, 8:143-65
Marine algae of northern Taiwan (Rhodophyta)

BAgr. 28(6)46952.

Schreitling, K.T. (1963) 10-11602 M
Mitt.ArbGemein.Flor.Schl.-Holst., 11:105 p.
Im Spülsaum der nord-westdeutschen Flachküste
(In the intertidal zone of the low-lying coast of northwest Germany)

BAgr. 28(6)46964.

Wood, R.D. (1962) 10-11603 M
Bull.Torry bot.Cl., 89(3):178-80
Codium is carried to Cape Cod

BAgr. 27(2)9107.

Kingsbury, J.M. (1962) 10-11604 M
Bull.Torry bot.Cl., 89(3):143-60
The effect of waves on the composition of a population of attached marine algae

BAgr. 27(2)9546.

Propp, M.V. (1964) 10-11605 M
Trud.murman.morsk.biol.Inst., 5:57-60
(Upper sublittoral of the western Murman near Ine Islands (results of diving investigation with the application of aqualung)). *Ru*

BAgr. 28(8)67924.

Vinogradova, K.L. (1964) 10-11606 M
Trud.murman.morsk.biol.Inst., 5:37-40
Supply of algae along the Murman coast

BAgr. 28(8)67926.

Birch, W.R. (1963) 10-11607 M
J.Ecol., 51(3):603-15
Observations on the littoral and coral vegetation of the Kenya coast

BAgr. 28(8)68343.

Voigt, M. (1964) 10-11608 M
J.R.micr.Soc., 82(2):111-21
Some new and interesting *Mastogloia* from the Mediterranean area and the Far East

BAgr. 28(11)99044.

Wood, E.J.F. (1963) 10-11609 M
Publ.Inst.Mar.Sci.Univ.Tex., 9:237-310
A study of the diatom flora of fresh sediments of the south Texas bays and adjacent waters

BAgr. 28(11)99046.

Odum, H.T. (1963) 10-11610 M
Publ.Inst.Mar.Sci.Univ.Tex., 9:373-403
Experiments with engineering of marine ecosystems

BAgr. 28(11)99784.

Young, J.Z. (1964)C 10-11611 M
London, Oxford University Press, 348 p.
A model of the brain

Brain and behaviour of the *Octopus*.

Sutherland, N.S. (1965) 10-11612 M
Nature,Lond., 205(4972):635-6
Brain and behaviour of *Octopus*. A model of the brain

Re 10-11611.

Davies, P.S. (1965) 10-11613 M
Nature,Lond., 205(4974):924
Environmental acclimation in the limpet *Patella vulgata* L.

Kokubu, N. & T. Hidaka (1965) 10-11614 M
Nature,Lond., 205(4975):1028-9
Tantalum and niobium in ascidians

Styela plicata from Japanese water was investigated.

Lewis, J.R. (1964)C 10-11615 M
London, English University Press, 323 p.
The ecology of rocky shores

Classifies the shores of the open coast into those dominated by barnacles, mussels and brown algae.

Crisp, D.J. (1965) 10-11616 M
Science, 147(3658):601
British rocky shores. The ecology of rocky shores

Re 10-11615.

Cheung, T.S. (1964) 10-11617 M
Ann.Mag.nat.Hist.(13), 6(67):401-33
The natural history of the commercial species of Hong Kong Penaeidae (Crustacea, Decapoda)

Ecology, distribution, migrations of penaeid prawns, and biology and ecology of Solenocera subnuda are described.

Ingle, R.M. et al. (1963) 10-11618 M
Tech.Ser.Fla Bd Conserv., (40):12 p.
On the possible Caribbean origin of Florida's spiny lobster populations

Advances preliminary evidence resulting from investigation of possible relationship of Caribbean water currents to recruitment of larval spiny lobsters to Florida. Published current patterns of area concerned; plankton sampling program south of Florida; extended existing larval shrimp studies of the north-eastern and central western Florida coasts.
Ci 61-06414, 62-01253.
Issued also as: Contr.Fla Bd Conserv.mar. Lab., (70).

Jorde, I. & N. Klavestad (1963) 10-11619 M
Sarsia, (9):99 p.
The natural history of the Hardangerfjord. 4. The benthonic algal vegetation

Previous algological investigations in Norwegian fjords, material and methods, the area of investigation, topography, supply of fresh-water, hydrography, salinity and temperature distribution, submarine daylight, vegetation of various parts of fjord system, zonation, observations on grazing by sea-urchins. Associations of general occurrence. Associations of Porphyra umbilicalis f. umbilicalis, Fucus distichus subsp. anceps, Callithamnion arbuscula, Gigartina stellata-Acrosiphonia, Corallina officinalis-Polysiphonia brodiaeri, Pelvetia canaliculata, Fucus spiralis, Enteromorpha, Fucus vesiculosus, Ascophyllum nodosum. Associations of more restricted occurrence, sublittoral associations.

Herndon, W.R. (1964) 10-11620 M
Amer.J.Bot., 51(6)Pt.1:575-81
BOLDIA: a new rhodophycean genus

BAgr. 28(11)99030.

Karling, T.G. (1963) 10-11621 M
Ark.Zool., 15(2/3):113-41
Marine Turbellaria from the Pacific Coast of North America. 1. Plagiostomidae

Five new marine Plagiostomum species, collected at the marine stations in Dillon Beach and Pacific Grove, are described. They are the first species of the genus Plagiostomum described from the North American Pacific coast.

Karling, T.G. (1963) 10-11622 M
Ark.Zool., 15(2/3):181-209
Marine Turbellaria from the Pacific Coast of North America. 2. Pseudostomidae and Cylindrostomidae

P. californicum, C. triangulum and Allostoma amoenum are described as new spp. A Californian form of C. monotrochum (Graff 1882) is thoroughly described and compared with the European form of the same sp., as well as with C. myfflum Marcus 1951 and C. laetum Riedl 1959, the last two spp. being probably identical with C. monotrochum.
Co 10-11621.

Andersson, A. (1963) 10-11623 M
Ark.Zool., 15(2/3):211-8
On a collection of Amphipoda of the family Talitridae from the Canary Islands

Describes Talitrus saltator, Talitroides alluaudi, Orchestia plateusis, O. chevreuxi.

Ryland, J.S. (1963) 10-11624 M
Sarsia, (10):9-18
The species of Haplopoma (Polyzoa)

The genus Haplopoma Levinsen contains 4 known spp: H. impressum (Audouin), type species; H. planum sp.nov.; H. graniferum (Johnston); H. bimucronatum (Moll). These spp., which have been extensively confused in the past and often collectively called impressum, show distinctive characters of morphology, ecology and distribution. All are described and ill., and a key to spp. is provided.

Fänge, R. (1963) 10-11625 M
Sarsia, (10):19-21
Toxic factors in starfishes

Watery extracts of Asterias rubens, A. glacialis and Henricia sanguinolenta produce a strong, nearly irreversible contraction of the isolated Buccinum radula muscle. The responsible factors (or factor) are inactivated by boiling.
The escape reaction of Pecten, when confronted with A. glacialis, is probably caused by another factor, than those which produce muscle contraction.

Tulkki, P. (1963)A 10-11626 M
Sarsia, (10):23-6
Marinogrammarus pirloti Sexton and Spooner (Amphipoda) from the Hardangerfjord, western Norway

Chiappini, M. (1963) 10-11627 M
Studi sassar., 10:137-48
(Research on the littoral vegetation of Sardinia. 3.). It

BAgr. 28(11)99746.

Dijkgraaf, S. (1963) 10-11628 M
Experientia, 19(1):29-30
Nystagmus and related phenomena in Sepia officinalis

Statocyst of cephalopods contains 'cristae' for detection of endolymph movements within the statocyst as caused by active or passive rotation of the animal. Turn-table experiments now performed with cuttle-fish to confirm this.

Lebout, H. et al.(1963) 10-11629 M
Cah.C.E.R.B.O.M., (1):63-6
Étude de la survie des germes aerobiés d'origine tellurienne dans l'eau de mer
(Study on the survival of aerobic bacteria, of terrestrial origin, in sea water)

Plissier, M. (1963) 10-11630 M
Cah.C.E.R.B.O.M., (1):67-70
Inactivation dans l'eau de mer des E.C.H.O. virus 1 & 6
(Inactivation in sea water of E.C.H.O. viruses 1 & 6)

Barrass, R. (1963) 10-11631 M
J.Anim.Ecol., 32(1):73-85
The burrows of Ocypode ceratophthalmus (Pallas) (Crustacea, Ocypodidae) on a tidal wave beach at Inhaca Island, Moçambique

Hollenberg, G.J. (1963) 10-11632 M
Phycologia, 2(4):169-72
A new species of Malaconema (Rhodophyta) from the Marshall Islands

Van den Hoek, C. (1963) 10-11633 M
Phycologia, 2(4):184-6
Sur la synonymie de trois Ulves d'eau saumâtre: Ulva curvata, U. dangeardii et U. incurvata
(On the synonomy of three species of Ulva: Ulva curvata, U. dangeardii and U. incurvata)

Evans, L.V. (1963) 10-11634 M
Phycologia 2(4):187-95
The use of lithium chloride as a pretreatment to an acetocarmine technique on Fucus

Brattegard, T. (1963) 10-11635 M
Sarsia, (11):1-3
Crustaceans sheltering under shells of *Nucella*

Monniot, C. (1963)A 10-11636 M
Sarsia, (11):5-9
Presence à Bergen de *Ciona fascicularis* Hancock, 1870
(Presence at Bergen of *Ciona fascicularis* Hancock, 1870)

Clausen, C. (1963) 10-11637 M
Sarsia, (11):17-20
The hydrozoan *Halammohydra* found in Norway

Survey of marine interstitial fauna off biological station, Espegrend, started in autumn of 1961. Attention is drawn here to strange coelenterate genus.

Lönning, S. & C. Wennerberg (1963) 10-11638 M
Sarsia, (11):25-7
Biometric studies of echinoderm eggs

In systematic classification of Echinoidea measurements of morphological characters have proved to be of great value. In genus *Echinus* diameter of egg is a significant morphological character. Measurements of eggs from sea urchin spp. collected mainly during 1962 at Biologisk Stasjon, University of Bergen, Norway, Kristinebergs Zoologiska Station, Fiskebäckskil, Sweden, and Stazione Zoologica, Naples, Italy.

Greve, L. (1963) 10-11639 M
Sarsia, (11):29-42
The genera *Spirontocaris*, *Lebbeus*, *Eualus* and *Thoralus* in Norwegian waters (Crust.Dec.)

Deals with eight spp., their systematic position, and their occurrence along Norwegian coast. Key to Norwegian species is given, and a short note on two parasitic isopods found.

Beers, C.D. (1963) 10-11640 M
Biol.Bull.Woods Hole, 124(1):1-8
Relation of feeding in the sea urchin *Strongylocentrotus droebachiensis* to division in some of its endocommensal ciliates

Studies *Entodiscus*, *Madsenia* and *Biggara* in starved and fed urchins' guts. Suggests that division is correlated with the presence of suitable bacteria rather than with inherent cycles.

Belamarich, F.A. (1963) 10-11641 M
Biol.Bull.Woods Hole, 124(1):9-16
Biologically active peptides from pericardial organs of the crab *Cancer borealis*

Presents data from electrophoresis, chromatography, and physiological studies of the organs neurohormone. Extracts of homogenates were assayed on lobster hearts.

Fingerman, M. & C. Oguro (1963) 10-11642 M
Biol.Bull.Woods Hole, 124(1):24-30
Chromatophore control and neurosecretion in the mud shrimp, *Upogebia affinis*

Describes the physiological properties of extracts from the head and eyestalks. Gives an account of the morphology of the eyestalk morphology and, from this, discusses the systematic position of *Upogebia.*

Goodbody, I. (1963) 10-11643 M
Biol.Bull.Woods Hole, 124(1):31-44
The biology of *Ascidia nigra* (Savigny). 2. The development and survival of young ascidians

Gives a time scale for development in Bermudan animals, and follows survival in a Jamaican population from settling through the sixth week of life.

Papi, F. & L. Pardi (1963) 10-11644 M
Biol.Bull.Woods Hole, 124(1):97-105
On the lunar orientation of sandhoppers (Amphipoda Talitridae)

Experiments on the effects of captivity in darkness or repeated photobulb flashes on the orientation of *Talitrus saltator.*

Wells, G.P. (1963) 10-11645 M
Proc.zool.Soc.Lond., 140(1):121-59
The lugworms of the southern cold temperate zone (Arenicolidae, Polychaeta)

The characters which are useful in separating the forms are described and discussed.

Young, J.Z. (1963) 10-11646 M
Proc.zool.Soc.Lond., 140(2):229-54
The number and sizes of nerve cells in *Octopus*

Octopus vulgaris.

Young, J.Z. (1963) 10-11647 M
Proc.zool.Soc.Lond., 140(2):255-72
Light- and dark-adaption in the eyes of some cephalopods

Eyes from *Octopus vulgaris* Lam., *Sepia officinalis* L., *Eledone moschata* Leach and *Loligo peallii* Lesueur were examined.

Dance, S.P. & F.R. Woodward 10-11648 M
(1963)
J.Conch., 25(4):155-7
A specimen of *Conus gloriamaris* Chemnitz in Glasgow university

Liversidge, M.J.H. (1963) 10-11649 M
J.Conch., 25(4):164-6
On the occurrence of *Cypraea microdon* Gray in East Africa

Liversidge, M.J.H. (1963) 10-11650 M
J.Conch., 25(4):166-9
A collection of *Cypraea* from Diani, Kenya

Lists 34 species from the coral reef.

Palekar, V.C. (1964) 10-11651 M
J.Timb.Dryers' Ass.India, 10(3):11-3
Preliminary note on the Teredinidae on Bombay coast

BSEA 10(11)8637.

Kok Moh Leng (1964) 10-11652 M
Malay Nat.J., 18:123
Respiration and feeding of a burrowing crab, *Lyreidus tridentatus*

BSEA 10(11)8642.

Berry, A.J. (1964) 10-11653 M
Malay Nat.J., 18:81
Natural history of the shore fauna of north Penang

BSEA 10(11)8657.

Kireeva, M.S. (1965)B 10-11654 M
Okeanologiia, 5(1):14-21
(Algae resources of the seas of the Soviet Union). *Ru*

Hagström, B.E. & S. Lönning 10-11655 M
(1963)
Ark.Zool., 15(5):377-80
The effect of trypsin on the early development of the sea urchin egg

The rate of the early development is increased by trypsin in concentrations which induce animalization of the *Paracentrotus lividus* and *Psammechinus microtuberculatus* from Naples.

ANON. (1963) 10-11656 M
France Pêche, (72):39-40
Fiche technique. Le pétoncle et le vanneau. Le beryx rouge
(Fishery cards on *Pecten varius* and *Beryx decadactylus*)

Detachable cards, ill., giving biology, habitat, fishing, catch, commercial use of *Pecten varius* and *Beryx decadactylus*.

Caraion, F.E. (1963) 10-11657 M
Stud.Cercet.Biol.(anim.), 15(1):45-63
Contributii la cunoasterea faunei de ostracode petricole din lungul litoralului romînesc (*Agigea* si *Mangalia*)
(Contribution to the knowledge of the petricolous ostracod fauna along the Roumanian littoral (*Agigea* and *Mangalia*). *Ro* Fr Ru

Collections made in 1960 at depths between 1 and 5 m., species are described and figured. Ecological and zoogeographical notes given.

Boyd, C.M. & M.W. Johnson (1963) 10-11658 M
Biol.Bull.,Woods Hole, 124(2):141-52
Variations in the larval stages of a decapod crustacean, *Pleuroncodes planipes* Stimpson (Galatheidae)

Larvae reared in the laboratory underwent a variable number of moults after reaching stage 4. Reports an additional larval stage found in cultures.

Giese, A.C. & A. Farmanfarmaian 10-11659 M
(1963)
Biol.Bull.,Woods Hole, 124(2):182-92
Resistance of the purple sea urchin to osmotic stress

Investigates the range of salinity tolerated by embryos and adults of *Strongylocentrotus purpuratus* from California.

Gerlach, S.A. (1963)A 10-11660 M
Int.Rev.Hydrobiol., 48(1):153-8
Robbea tenax sp.n., ein merkwürdiger mariner Nematode von den Malediven
(*Robbea tenax* sp.n., an unusual marine nematode from the Maldives)

Smith, R.I. (1963) 10-11661 M
Ark.Zool., 15(5):437-41
On the occurrence of *Nereis* (*Neanthes*) *succinea* at the Kristineberg zoological station, Sweden, and its recent northward spread

Suggests that this sp. has significantly spread northward in past two decades from Danish coastal waters to west Swedish coast of Skagerrak. No data available on whether it is a breeding population as only juvenile individuals were found.

George, M.J. (1963) 10-11662 M
J.Mar.biol.Ass.India, 5(1):145-6
Note on an abnormality in the penaeid prawn *Metapenaeus monoceros* Fabricius

Discussion of abnormalty suggesting hermaphroditism.

Sankarankutty, C. & 10-11663 M
P.T. Thomas (1963)
J.Mar.biol.Ass.India, 5(1):144-5
On some abnormalities in *Lissocarcinus orbicularis* Dana (Crustacea-Portunidae) from Minicoy

Reports abnormalities in the number and size of the antero-lateral lobes of carapace observed in two female specimens.

Raja, B.T.A. (1963) 10-11664 M
J.Mar.biol.Ass.India, 5(1):113-32
Observations on the rate of growth, sexual maturity and breeding of four sedentary organisms from the Madras harbour

Observational data on *Modiolus striatulus*, *Bowerbankia* sp., *Cynthia* sp., and *Dasychone cingulata* collected from marked individuals; random samples of natural population; and laboratory reared individuals.

Tampi, P.R.S. & K. Rangarajan 10-11665 M
(1963)
J.Mar.biol.Ass.India, 5(1):108-12
On the occurrence of *Arenicola brasiliensis* Nonato (family: Arenicolidae, Polychaeta) in Indian waters

Records the occurrence of *A. brasiliensis* in Indian waters for the first time and briefly discusses specific characters in comparison with other spp. recorded from tropical and sub-tropical beaches of the world.

Rangarajan, K. (1963) 10-11666 M
J.Mar.biol.Ass.India, 5(1):103-7
On the occurrence of *Lepidasthenia ohshimai* Okuda (fam. Polynoidae, Polychaeta) in Palk Bay, South India

Records the occurrence of *L. ohshimai* in Indian waters for the first time and compares this sp. with others of the genus occurring in Indian waters.

Agrawal, V.P. (1963) 10-11667 M
J.Mar.biol.Ass.India, 5(1):62-7
A study on the physiology of digestion in *Marinogammarus marinus* Leech

Description of alimentary canal and feeding; pH determination in different parts of the alimentary canal; qualitative estimation of enzymes.

Segi, T. (1963) 10-11668 M
Rep.Fac.Fish.Univ.Mie, 4(3):509-25
The type or authentic specimens of *Gelidium* in Europe

Reproduction of photographs of 55 spp. and 14 varieties with explanation of each.

Horiguchi, Y. & T. Tsujii (1963) 10-11669 M
J.Fac.Fish.Univ.Mie, 6(1):26-38
(On the mortalities of pearl oyster, *Pteria* (*Pinctada*) *martensii* (Dunker), in the sea-water containing the extracts of bark of hemlock-spruce, *Tsuga diversifolia* (Maxin.) Masters and of spruce, *Picea jezoensis* (Sieb. et Zucc.) Carr.). *Ni* En

Analysis of toxic composition of seawater extract solutions from bark of hemlock-spruce and spruce together with its effect on marine organisms, deposition of ^{45}Ca onto the inner surface of the shell and on the hatching rate of *Artemia salina*.
:aem

Pownall, P.C. (1964) 10-11670 M
Fish.Newslett.Aust., 23(11):11, 13, 15
New industry for Tasmania

Note on previous attempts to manufacture alginates; utilization of alginates; setting up of industry on Tasmanian east coast to exploit *Macrocystis* beds.

Oguro, C. (1964) 10-11671 M
Zool.Mag., Tokyo, 73(10):290-2
(Neurosecretory system in the cephalic region of *Rocinela maculata*). *Ni* En

Histological study of neurosecretory cells in the supraesophagael ganglia.

Osanai, K. (1964) 10-11672 M
Sci.Rep.Tohoku Univ.(4), 30(2):99-104
Re-activation of the cortex and promotion of cleavage in the sea urchin egg

Rate of cleavage in relation to treatment of eggs after insemination with inhibitors of cortical granule breakdown and to post treatment with activating reagents.

Osanai, K. (1964) 10-11673 M
Sci.Rep.Tohoku Univ.(4), 30(2):105-17
Ecto- and endoplasmic relation in the partially activated egg of the sea urchin

Study of endoplasmic changes and behaviour of the nucleus in partially activated eggs to ascertain relation between cortical change and endoplasmic development following fertilization.

Osanai, K. (1964) 10-11674 M
Sci.Rep.Tohoku Univ.(4), 30(2):119-31
Cortical granule as a body containing cyto-fertilizin in the sea urchin egg

Reaction of cortical granules of *Hemicentrotus pulcherrimus*, *Strongylocentrotus nudus* and *Temnopleurus hardwickii* to Lillie's periodate Schiff and Hale's acetic iron-potassium ferrocyanide tests; effects of testis or sperm extract containing anti-fertilizin on the unfertilized egg.

Squires, D.F. (1964) 10-11675 M
Rec.Auckland(N.Z.)Mus., 6(1):1-9
New stony corals (Scleractinia) from northeastern New Zealand

List of corals taken in 1961 IKATERE cruise: distributional notes for *Culicia rubeola* and *Leteposammia* spp. and description and measurements for *Ceratotrochus limatulus* n. sp., *Spherotrochus raphae* n. sp., *Kionotrochus suteri* and *Flabellum rubrum*.

McNeill, F. (1964) 10-11676 M
Aust.nat.Hist., 14(12):372-8
Shells of the Great Barrier Reef

Notes on clam shells, volute and olive shells, cone shells, stromb shells, mitre shells and cowries with some photographs.

Pope, E.C. (1964) 10-11677 M
Aust.nat.Hist., 14(12):379-82
Shore molluscs of southern Australia

Spp. distribution; commercial exploitation; distinguishing characteristics of shells of similar spp. found on different parts of the Australian coast.

Burn, R. (1964) 10-11678 M
Aust.nat.Hist., 14(12):396-9
Australian sea-slugs

Note on classification and explanation of orders Cephalasidea, Anaspidea, Sacoglossa, Pleurobranchacea, Nudibranchia, Doridoidea, Arminoidea, Dendronotoidea and Eolidoidea.

Endean, R. (1964) 10-11679 M
Aust.nat.Hist., 14(12):400-3
Venomous cones

Note on distribution; description of shells; behaviour and feeding habits; description of venom apparatus.

McMichael, D.F. (1964) 10-11680 M
Aust.nat.Hist., 14(12):404
The golden cowry

Photograph, brief description and note on distribution.

Murray, F.V. (1964) 10-11681 M
Aust.nat.Hist., 14(12):405-8
The spawn of some Australian marine prosobranch molluscs

Discussion of spawning habits and protection of spawn.

Oka, M. & S. Shirahata (1964) 10-11682 M
Bull.Fac.Fish.Nagasaki, (17):55-67
(Studies on Penaeus orientalis Kishinouye.
1. Seminal mechanism and its function).
Ni En

Ill. description of each organ and discussion of function.

Mammen, T.A. (1963) 10-11683 M
J.Mar.biol.Ass.India, 5(1):27-61
On a collection of hydroids from South India. 1. Suborder Athecata

Ill. description of major groups and critical estimation of the dependability of the characters usually employed in the classification in order to facilitate a future reclassification.

Oba, T. (1964) 10-11684 M
Bull.Jap.Soc.sci.Fish., 30(9):742-8
(Studies on the propagation of an abalone, Haliotis diversicolor supertexta Lischke.
1. On the spawning habits). Ni En

Determination of change in maturity coefficient, change of ratio of soft body weight to whole body weight, and biological minimum size.

Stieve, H. (1964) 10-11685 M
Z.vergl.Physiol., 47(5):457-92
Das Belichtungspotential der isolierten Retina des Einsiedlerkrebses (Eupagurus bernhardus L.) in Abhängigkeit von den extrazellulären Ionenkonzentrationen
(The illumination potential of the isolated retina of the hermit crab (Eupagurus bernhardus L.) in relation to entracellular ion concentrations). De En

Investigation of the influence of various cations on the retinal action potential, using isolated hermit crab retinae placed in different salt solutions under constant illumination conditions.
:wjrl

Wylie, V. & M. Smith (1964) 10-11686 M
Canad.J.Biochem.Physiol., 42(9):1347-52
Nucleotides of the Pacific oyster Crassostrea gigas (Thunberg)

In order to obtain more data on the variety of nucleotide derivatives found in marine organisms, the nucleotides of the Pacific oyster C. gigas were fractionated by chromatography and characterized by their ultraviolet absorption and paper chromatographic properties.

Guinot, D. & A. Ribeiro (1962) 10-11687 M
Trab.Cent.Biol.pisc., 40: 89 p.
Sur une collection de Crustacés Brachyoures des Îles du Cap-Vert et de l'Angola
(About a collection of Crustacea Brachyura of the Cape-Verde Islands and Angola). Es

Identification of 35 spp. from Cape-Verde Islands and 61 from Angola with notes on their distribution and occurrence.

Armitage, K.B. (1962) 10-11688 M
Biol.Bull., Woods Hole, 123(2):225-32
Temperature and oxygen consumption of Orchomenella chilensis (Heller) (Amphipoda: Gammeroidea)

Animals from McMurdo Sound showed highly significant correlation coefficients between size and uptake which varied with temperature over the range - 1.8 to 12 degrees centigrade Q_{10} varied with size and some metabolic regulation occurred between - 1.8 and 6 degrees centigrade.

Miller, J.A.Jr., L.L. Philpott & C.L. Claff (1962) 10-11689 M
Biol.Bull., Woods Hole, 123(2):450-60
Oxygen uptake in short pieces of Tubularia stems

Observations in cartesian divers on 43 stem pieces. Cut ends used more oxygen perhaps related to regeneration. Two pieces in the same diver resulted in depressed oxygen uptakes.

Tweedell, K.S. (1962) 10-11690 M
Biol.Bull., Woods Hole, 123(2):424-49
Cytological studies during germinal vesicle breakdown of Pectinaria gouldii with vital dyes, centrifugation and fluorescence microscopy

Details of changes observed and observations on cell components.

Simpson, M. (1962) 10-11691 M
Biol.Bull., Woods Hole, 123(2):412-23
Gametogenesis and early development of the polychaete Glycera dibranchiata

Simpson, M. (1962) 10-11692 M
Biol.Bull., Woods Hole, 123(2):396-411
Reproduction of the polychaete Glycera dibranchiata at Solomons, Maryland

Field observation and histological study between 1960 & 1961. Observations on spawning, swarming and gametogenesis suggest two breeding periods in the year.
Ci 8-03186.

Sastry, A.N. & R.W. Menzel (1962) 10-11693 M
Biol.Bull., Woods Hole, 123(2):388-95
Influence of hosts on the behavior of the commensal crab Pinnotheres maculatus Say

Experiments on the choice of host pelecypods of two spp., by the crab.

Paine, R.T. (1963) 10-11694 M
Ecology, 44(2):402-3
Feeding rate of a predaceous gastropod, Pleuroploca gigantea

Field and some experimental studies were carried out in Alligator Harbor, Florida.

Ansell, A.D. (1963) 10-11695 M
Ecology, 44(2):396-7
Venus mercenaria (L) in Southampton water

Length frequency distribution and preliminary growth data are given.

Ivanov, A.V. (1964) 10-11696 M
New Scient., 24(423):842-4
The discovery of the pogonophores

Describes the history of first dredgings, distribution in seas, structure, development, and process of evolution.

Rieth, A. & H. Sagromsky (1964) 10-11697 M
Biol.Zbl., 83(4):489-500
Zur Kenntnis der Lebensbedingungen von Porphyridium cruentum (Ag.) Naeg. 4. Untersuchung der Wirkung von extremsituationen (Kälte und Licht)
(Living condition (ecology) of Porphyridium cruentum. 4. Investigation on effect of extreme situations (Cold and light))

Bonnell, B. (1964) 10-11698 M
Nature,Lond., 203(4941):206
Adhesive disk of Echeneis naucrates

Millot, N. (1964) 10-11699 M
Nature,Lond., 203(4941):206
Pigmentary system of Diadema antillarum Philippi

Barnard, J.L. (1964) 10-11700 M
Pacif.Nat., 4(3):55-139
Marine Amphipoda of Bahia de San Quintin,
Baja California

Taxonomy, diagnosis, biological and ecological remarks for species captured in benthic grab and trawl samples. Density and relative frequency of 36 most or less abundant amphipods. Ill.

Todd, M.E. (1964) 10-11701 M
Physiol.Zoöl., 37(1):33-44
Osmotic balance in Littorina littorea,
L. littoralis, and L. saxatilis
(Littorinidae)

Fingerman, M., C. Oguro & 10-11702 M
M. Miyawaki (1964)
Physiol.Zoöl., 37(1):83-9
Relationship between melanophores response
in the fiddler crab, Uca pugnax, and dosage
of sinus gland and central nervous organ
extracts

Sarojini, S. (1964) 10-11703 M
Curr.Sci., 33(2):55-6
A note on the chemical nature of the
crustacean androgenic hormone

Tandon, R.N. & M.P. Srivastava 10-11704 M
(1963)
Curr.Sci., 32(1):35-6
Occurrence of a branched oviduct in
Panulirus polyphagus

Nagabhushanam, R. (1964) 10-11705 M
Curr.Sci., 33(1):20-1
Note on the neurosecretory cells in the
nervous system of the mussel, Modiolus
demissus (Mollusca: Lamellibranchiata)

ANON. (1964) 10-11706 M
New Scient., 22(385):39
The New Zealand scallop moves north

Chlamys delicatula.

Carden III, G.A., S. Rosenkranz 10-11707 M
& H.S. Rosenkranz (1965)
Nature,Lond., 205(4978):1338-9
Deoxyribonucleic acids of sperm, eggs and
somatic cells of the sea urchin, Arbacia
punctulata

Lawrence, J.M., A.L. Lawrence 10-11708 M
& N.D. Holland (1965)
Nature,Lond., 205(4977):1238-9
Annual cycle in the size of the gut of the
purple sea urchin, Strongylocentrotus
purpuratus (Stimpson)

Chislenko, L.L. (1965) 10-11709 M
Dokl.Akad.Nauk SSSR, 161(3):724-7
O sootnoshenii razmerov tela samki s
razmerami i chislom iaits Harpacticoida
(Crustace, Copepoda)
(On the correlation between body dimensions
of females and the dimensions and quantity
of eggs in Harpacticoida (Crustacea,
Copepoda))

Gubar, I.I., A.M. Siniukhin & 10-11710 M
I.A. Ozolina (1965)
Dokl.Akad.Nauk SSSR, 160(4):956-9
Potentsial deistviia kletok Nitella
flexilis zapolnennykh iskusstvennym
solevym ratvorom
(Action potential of cells of Nitella
flexilis, filled up with artificial saline
solutions)

Chamberlin, J.L. & F. Stearns 10-11711 M
(1963)
Ser.Atlas mar.Envir., Folio 3, 5 plates
A geographic study of the clam, Spisula
polynyma (Stimpson)

A cartographic environmental analysis of
the Atlantic population of S. polynyma
throughout the region where it is known
to live.

Grainger, E.H. (1964) 10-11712 M
Ser.Atlas mar.Envir., Folio 5, 5 plates
North American sea stars (Echinodermata: Asteroidea) from North Alaska to the Strait of Belle Isle

Presents distribution data recorded from northern North American waters. Fauna consists of at least 26 spp., of which probably only three are truly circumpolar. General distribution pattern. Specific species distributions. Depth ranges and the substrate (type of bottom). The substrate positions according to the locality records.

Araki, G.S. (1964)C 10-11713 M
Thesis, Stanford University, 194 p.
On the physiology of feeding and digestion in the sea star Patiria miniata

DA 25(7):4306.

Edwards, C. (1964) 10-11714 M
J.Mar.biol.Ass.U.K., 44:1-10
The hydroid of the Anthomedusa Bougainvilla britannica

Brinkhurst, R.O. (1964) 10-11715 M
J.Mar.biol.Ass.U.K., 44:11-6
Observations on the biology of the marine oligochaete Tubifex costatus

Crisp, D.J. (1964) 10-11716 M
J.Mar.biol.Ass.U.K., 44:33-45
Racial differences between North American and European forms of Balanus balanoides

Burrows, E.M. (1964) 10-11717 M
J.Mar.biol.Ass.U.K., 44:137-43
An experimental assessment of some of the characters used for specific delimitation in the genus Laminaria

Umamaheswararao, M. & T. Sreeramulu (1964) 10-11718 M
J.Ecol., 52(3):595-616
An ecological study of some intertidal algae of the Visakhapatnam coast

Seasonal and yearly changes in growth of some common algae in period from May 1960 to April 1963 are described and their relationship to changes observed in environmental factors discussed.

Jones, G.F. (1964) 10-11719 M
Malacologia, 2(1):43-68
The distribution and abundance of subtidal benthic Mollusca on the mainland shelf of southern California

Hedgpeth, J.W. & W.G. Fry (1964) 10-11720 M
Ann.mag.nat.Hist.(13), 7(75):162-9
Another dodecopodous pycnogonid

Amongst first collections by research vessel ELTANIN during its initial Antarctic cruise are eight specimens of representative of family Nymphonidae Sexanymphon mirabilis sp. n.

Widdowson, T.B. (1964)C 10-11721 M
Thesis, University of British Columbia, 238 p.
A study of variation in the genus Alaria Greville

DA 25(4):2195.

Kiel, C.S. (1964) 10-11722 M
Arch.Hydrobiol., 60(3):379
Marine fauna of the Isle of Man and its surrounding seas

Re 10-12465.

Manning, R.B. (1963)C 10-11723 M
Thesis, University of Miami, 405 p.
A monograph of the stomatopod crustaceans of the western Atlantic

DA 25(3):2113.

Durchon, M. & F. Schaller (1964) 10-11724 M
Gen.comp.Endocr., 4:427-32
Recherches endocrinologiques en culture organotypique chez les annélides polychètes (Endocrinological research in organotypical culture of Annelida Polychaeta). En

Certain organs of *Nereis*, in particular the parapodia, were cultivated *in vitro*. Precocious spermatogenesis is observed in the parapodia from male nereids, but the association of a prostomium with the parapodium is sufficient to prevent genital development. Results confirm the inhibitory action, of a hormonal nature, of the nereid brain on the maturation of the male gonads.

Anantaraman, S. (1964) 10-11725 M
Ann.Mag.nat.Hist.(13), 7(74):101-5
A juvenile *Echinocephalus uncinatus* (Molin, 1858) in the marine gastropod, *Hemifusus pugilinus* (Born), with notes on the genus *Echinocephalus* (Nematoda: Gnathostomidae)

Humphrey, G.F. (1963) 10-11726 M
Aust.J.Mar.Freshw.Res., 14:148-54
Chlorophyll a and c in cultures of marine algae

Gymnodinium, *Nitzschia closterium*, and *Skeletonema costatum* were grown in the presence of bacteria, and *N. closterium* in the absence of bacteria.

Meyer, G.R. & A.K. O'Gower (1963) 10-11727 M
Aust.J.Mar.Freshw.Res., 14:176-93
The ecology of six species of littoral gastropods

The abundances and distributions of the molluscs *Austrocochlea constricta*, *Bembicium nanum*, *Cellana tramoserica*, *Melanerita melanotragus*, *Montfortula conoidea*, and *Morula marginalba* were studied on three marine, tidal, rock platforms.

Tufail, M. & S.S. Hashmi (1964) 10-11728 M
Pakist.J.sci.industr.Res., 7(3):208-10
Early developmental stages of *Leptodius exeratus* (Milne Edwards)

Ill. description, from laboratory reared material, of developmental stages inc. prezoea, first zoea and second zoea; also stages of egg up to time of hatching.

Pope, E.C. (1965) 10-11729 M
Fish.Newslett.Aust., 24(2):13, 15
Can marine worms be farmed?

Discusses habitat required for farming of *Marphysa* and gives account of established "worm farm" discovered in natural habitat.

Ogino, C. & N. Kato (1964) 10-11730 M
Bull.Jap.Soc.sci.Fish., 30(10):843-6
(Studies on the digestibilities of proteins and carbohydrates in Japanese top shell, *Turbo cornutus*). *Ni* En

Composition of diets used; effect of sea water on chemical composition of diets; determination, by chromic oxide indicator, of digestibility of several proteins and carbohydrates.

Fujioka, S. (1964) 10-11731 M
Bull.Jap.Soc.sci.Fish., 30(11):877-83
(Histological observation on the regeneration and adhesion of the mantle of the pearl oyster, *Pinctada martensii* (Dunker)). *Ni* En

Observations made on reparative process of the mantle after a small portion of the mantle was resected in the pallial zone or the central zone.

Kubo, I. & N. Ishiwata (1964) 10-11732 M
Bull.Jap.Soc.sci.Fish., 30(11):884-8
(On the relationship between activity of Japanese spiny lobster and under water light intensity). *Ni* En

Reports catch experiments and measurements of underwater light intensity undertaken simultaneously, and analyses results to determine relation.

Neya, T. (1965) 10-11733 M
Zool.Mag., Tokyo, 74(1):11-6
(Photic behaviour of sea urchin larvae,
Hemicentrotus pulcherrimus). *Ni* En

Observations on larvae in cylinders of various shapes and dimensions and subject to various types of light.

Baba, K. & I. Hamatani (1964) 10-11734 M
Publ.Seto Mar.biol.Lab., 12(2):157-62
The anatomy of *Favorinus japonicus* Baba
(Nudibranchia-Eolidoidea)

Anatomical study with ill., undertaken to establish distinguishing genetic features.

Nishimura. S. & M. Hamabe (1964) 10-11735 M
Publ.Seto Mar.biol.Lab., 12(2):173-5
A case of economical damage done by *Nebalia*

Report on observation of feeding habit suggesting their attaching and devouring fish caught by fishing gears.

Fauchald, K. (1965) 10-11736 M
Rec.Aust.Mus., 26(14):333-9
Some Nephtyidae (Polychaeta) from Australian waters

Key to Australian spp.; ill. description of *Nephtys australiensis* n. sp. and *N. mirocirros* n. sp.

Salvat, B. (1964) 10-11737 M
Cah.Pacif., (6):77-119
Prospections faunistiques en Nouvelle-Calédonie dans le cadre de la mission d'études des récifs coralliens
(Faunistic prospecting in New Caledonia in the scheme of the mission for studies of coral reefs)

Collecting methods, regions studied and prospecting conditions in them; station list and list of collaborating taxonomic specialists; account of preliminary study of some lagoon shifting bottoms.

Chevalier, J.-P. (1964)A 10-11738 M
Cah.Pacif., (6):171-5
Compte rendu des missions effectuées dans le Pacifique en 1960 et 1962 (mission d'études des récifs coralliens de Nouvelle-Calédonie)
(Account of missions accomplished in the Pacific in 1960 and 1962. (Mission for study of New Caledonian coral reefs))

Taki, I. (1964) 10-11739 M
J.Fac.Fish.Hiroshima, 5(2):277-343
On eleven new species of the Cephalopoda from Japan, including two new genera of Octopodinae. Ni

Ill. description of *Onykia japonica*, *Enoploteuthis theragrae*, *Calliteuthis inermis*, *Callistroctopus arakawai*, *C. magnocellatus*, *Octopus marginatus*, *Paroctopus araneoides*, *P. megalops*, *Sasakinella eurycephala*, *Benthoctopus fuscus* and *B. violescens*.

Taki, I. (1964) 10-11740 M
J.Fac.Fish.Hiroshima, 5(2):345-417
On the morphology and physiology of the branchial gland in Cephalopoda. Ni

Study carried out on the branchial gland of *Octopus*, especially *O. vulgaris*, with regard to anatomy, embryology and histology; suppression of function, effect of inanition, gonadectomy and anaemia, administration of gland extract; transplantation and pathology.

Nishikawa, S. (1964) 10-11741 M
J.Fac.Fish.Hiroshima, 5(2):477-93
(Note on the fishing condition of the common octopus, *Octopus vulgaris* Cuvier, in the Inland Sea of Seto, Japan). *Ni* En

Examination of catch data to ascertain the effect of water temperature and precipitation on the fishery.

Sato, S., K. Ito & F. Matsumoto 10-11742 M
(1964)
J.Fac.Fish.Hiroshima, 5(2):537-44
(Studies on the sulfur uptake by Porphyra tenera and Ulva pertusa, using ^{35}S).
Ni En

Time course of uptake and transference to fronds was investigated after culturing with $^{35}SO_4$; distribution of sulfur and ^{35}S-activity in fronds was studied; comparison of uptake between P. tenera and U. pertusa.

Portzehl, H. (1964) 10-11743 M
Pflügers Arch.ges.Physiol., 281(1):71
Der Calcium-Bedarf von Muskeln der Crabbe Maia squinado für die Kontraktion
(The calcium requirements for contraction of the muscles of the crab Maia squinado)

Funano, T. & Y. Hasegawa (1964) 10-11744 M
Bull.Hokkaido Fish.Res.Lab., (29):75-84
(An ecological study of Gloiopeltis furucata Post et Rupr. and Chodrus yendoi Yamada et Mikami in Oshoro Bay, Hokkaido).
Ni En

Seasonal behaviour observed on experimental rock; main spp. invading G. furucata and C. yendoi belts to form groups; seasonal composition of belts.

Saisho, T. (1964) 10-11745 M
Mem.Fac.Fish.Kagoshima, 13(1964):1-4
Notes on the first stage phyllosoma of scyllarid lobster, Scyllarus bicuspidatus

Ill. description and measurements and comparison with other spp. of the genus.

Uchida, T. (1964) 10-11746 M
Publ.Seto Mar.biol.Lab., 12(2):133-44
A new hydroid species of Cytaeis, with some remarks on the interrelationships in the filifera

Diagnosis; ill. description of hydropolyps and medusae; comparison with other spp. of the genus; summarised list of medusae previously reported as belonging to the genus Cytaeis; interrelations among the hydroid group filifera.

Baba, K. & T. Abe (1964) 10-11747 M
Publ.Seto Mar.biol.Lab., 12(2):163-4
Record of Favorinus tsuruganus n. sp., from Tsuruga Bay, Japan (Nudibranchia-Eolidoidea)

Aoto, T. (1964) 10-11748 M
Annot.zool.Jap., 37(4):201-7
The releasing mechanism of chromatophorotropin in the supraesophageal ganglion of the prawn, Palaemon paucidens

Reports experiments performed in order to determine whether there is any agent which releases chromatophorotropin by acting directly or indirectly on the supraesophageal ganglion.
Issued also as: Contr.zool.Inst.Fac.Sci. Hokkaido Univ., (629).

Tokioka, T. & K. Baba (1964) 10-11749 M
Publ.Seto Mar.biol.Lab., 12(3):201-29
Four new species and a new genus of the family Gastropteridae from Japan (Gastropoda: Opisthobranchia)

Review of previously described spp.; ill. description of Gastropteron japonicum n. sp., G. flavum n. sp., G. viride n. sp. and SAGAMINOPTERON ornatum n. g., n. sp. with notes on diagnoses.

Kabata, Z. (1965) 10-11750 M
Proc.Linn.Soc.N.S.W., 89(2):254-67
On the adult and juvenile stages of Vanbenedenia chimaerae (Heegaard, 1962) (Copepoda: Lernaeopodidae) from Australian waters

Ill. description of the shape and appendages of the adult female and 4 developmental stages; discussion of taxonomy on morphological evidence.
Issued also as: Mar.Repr.Mar.Lab.,Aberdeen, (274).

Franzisket, L. (1964) 10-11751 M
Z.vergl.Physiol., 49(2):91-113
Die Stoffwechselintensität der Riffkorallen und ihre ökologische, phylogenetische und soziologische Bedeutung (The metabolic intensity of reef corals and their ecological, phylogenetical and sociological importance)

The metabolism of the reef corals Pocillopora, Acropora, Porites, Fungia and Goniopora was measured and related to the number and size of the individual polyps and the overall growth of the colonies. The required oxygen determinations were made in darkened tanks with circulating seawater on board the research vessel.

Yamamoto, M. (1964) 10-11752 M
Sci.Rep.Tohoku Univ.,(4), 30(3/4):187-95
Note on the effect of centrifugal force upon the cleavage of sea urchin egg with special reference to the position of the mitotic apparatus and the formation of the furrow

Determination of the role played by the mitotic apparatus in cell division using centrifuged eggs of Hemicentrotus pulcherrimus.

Young, J.Z. (1965) 10-11753 M
Proc.roy.Soc.(B), 162(986):47-79
The diameters of the fibres of the peripheral nerves of Octopus

Hagström, B.E. & S. Lönning 10-11754 M
(1965)
Sarsia, (18):1-9
Studies of cleavage and development of isolated sea urchin blastomeres

Blastomeres of Echinocyamus pusillus and Psammechinus miliaris were studied.

Webb, M. (1965) 10-11755 M
Sarsia, (18):11-5
Notes on the distribution of Pogonophora in Norwegian fjords

Yamada, N. (1964)A 10-11756 M
Bull.Jap.Soc.sci.Fish., 30(11):908-11
(Studies on the manure for seaweeds. 2. Effect of phosphorus on the nitrogen absorption of an agar seaweed (Gelidium amansii) and influence of light intensity on this effect). Ni En

Co 8-05199.

Yamada, N. et al. (1964)A 10-11757 M
Bull.Jap.Soc.sci.Fish., 30(12):983-5
(Studies on the manure for seaweeds. 3. On the absorption of P^{32} labelled phosphorus by an agar seaweed (Gelidium amansii)). Ni En

Co 10-11756.

Yamada, N. & Y. Iwahashi (1964) 10-11758 M
Bull.Jap.Soc.sci.Fish., 30(12):986-92
(Studies on the manure for seaweeds. 4. On the manuring for yellowed Gelidium bed). Ni En

Reports experiment carried out to examine the effect of nitrogenous manure, proving this to be an effective and practical means of improving the growth of Gelidium in the sea.
Co 10-11757.

Squires, H.J. (1965) 10-11759 M
J.Fish.Res.Bd Can., 22(1):1-11
A new species of Calocaris (Crustacea: Decapoda, Thalassinidea) from the northwest Atlantic

Squires, H.J. (1965) 10-11760 M
J.Fish.Res.Bd Can., 22(1):69-82
Larvae and megalopa of Argis dentata (Crustacea: Decapoda) from Ungava Bay

Powell, G.C. & R.B. Nickerson 10-11761 M
(1965)
J.Fish.Res.Bd Can., 22(1):101-11
Reproduction of king crabs, Paralithodes camtschatica (Tilesius)

Hall, C.A. Jr. (1964) 10-11762 M
Ecology, 45(2):226-34
Shallow-water marine climates and molluscan provinces

Pequegnat, W.E. (1964) 10-11763 M
Ecology, 45(2):272-83
The epifauna of a California siltstone reef

Stickney, A.P. (1964) 10-11764 M
Ecology, 45(2):283-91
Salinity, temperature, and food requirements of soft-shell clam larvae in laboratory culture

Paine, R.T. (1964) 10-11765 M
Ecology, 45(2):384-7
Ash and calorie determinations of sponge and opisthobranch tissues

Lewis, E.J. (1963) 10-11766 M
Proc.nat.Inst.Sci.India (B), 29(3):263-96
Studies on fortnightly analysis of the proteins, peptides and free amino acids in some marine algae from Bombay

Crisp, D.J. & J.D. Costlow Jr. (1963) 10-11767 M
Oikos, 14(1):22-34
The tolerance of developing cirripede embryos to salinity and temperature

Buchanan, J.B. (1963) 10-11768 M
Oikos, 14(2):154-75
The bottom fauna communities and their sediment relationships off the coast of Northumberland

Barnes, A.M. (1963)C 10-11769 M
Thesis, University of California, Berkeley,
A revision of the genus Anomiopsyllus Baker 1904 (Siphonaptera: Hystrichopsyllidae) with studies on the biology of Anomiopsyllus falsicalifornicus

DA 24(10):4317.

Nurminen, M. (1965) 10-11770 M
Annls zool.fenn., 2(1):1-10
Enchytraeid and lumbricid records (Oligochaeta) from Spitsbergen

Laakso, M. (1965) 10-11771 M
Annls zool.fenn., 2(1):18-37
The bottom fauna in the surroundings of Helsinki

Bagge, P. et al. (1965) 10-11772 M
Annls zool.fenn., 2(1):38-52
Bottom fauna of the Finnish southwestern archipelago. 3. The Lohm area

Detwyler, R. (1963)C 10-11773 M
Thesis, University of New Hampshire, 111 p.
Some aspects of the biology of the seasnail, Liparis atlanticus (Jordan and Evermann)

DA 24(6):2625.

Sud, I.J. (1963)C 10-11774 M
Thesis, University of Florida,
Marine bacteria: wall composition and osmotic fragility

DA 24(5):1798.

Asterita, H.L. (1962)C 10-11775 M
Thesis, New York University, 73 p.
Pressure-temperature studies on the hyaline membrane of sea urchin eggs

DA 24(5):2099.

Green, J.P. (1964) 10-11776 M
Biol.Bull.,Woods Hole, 127(2):239-55
Morphological color change in the fiddler crab, Uca pugnax (S.I.Smith)

Nature of the Uca black pigment, characteristics of the incorporation of tyrosine into melanin, factors relating to pigment destruction are discussed.

Kessel, M.M. (1964) 10-11777 M
Biol.Bull.,Woods Hole, 127(2):294-303
Reproduction and larval development of Acmaea testudinalis (Müller)

A contribution to the biology of gastropod limpet (order Diotocardia, family Acmaeidae) from eastern coast of U.S.A.

Chaet, A.B. (1964) 10-11778 M
Biol.Bull.,Woods Hole, 126(1):7-14
A mechanism for obtaining mature gametes from starfish

A physiological method of releasing gametes from Asterias forbesi.

Rosen, B. & J. Freeman (1965) 10-11779 M
Comm.Fish.Rev., 27(2):10-3
Estimating residual shell in shucked softshell clams (Mya arenaria L.)

Brunel, P. (1963) 10-11780 M
Crustaceana, 5(1):35-46
Les isopodes xylophages Limnoria japonica et L. lignorum dans le Golfe Saint-Laurent: notes sur leur distribution et leurs ciliés, ostracodes et copépodes commensaux
(The xylophagous isopodes Limnoria japonica in the Gulf of St.Lawrence: Notes on their distribution and their ciliates, ostracods and commensal copepods). En

Issued also as: Contr.Dép.Pêch.Québ., (62).

Horridge, G.A. (1964) 10-11781 M
Quart.Rev.Biol., 39(2):205-6
Marine fauna of the Isle of Man and its surrounding seas

Re 10-12465.

Andrews, J.D., J.L. Wood & H.D. Hoese (1962) 10-11782 M
J.Insect Path., 4(3):327-43
Oyster mortality studies in Virginia: 3. Epizootiology of a disease caused by Haplosporidium costale Wood and Andrews

Issued also as: Contr.Va Inst.Mar.Sci., (115).

Humm, H.J. (1963) 10-11783 M
Virginia J.Sci., 14(3):109-11
Dictyota dichotoma in Virginia

Description and occurrence of summer marine algae offshore Virginia is discussed.
Issued also as: Contr.Va Inst.Mar.Sci., (119).

van Uden, N. & R.C. Branco (1963)A 10-11784 M
Limnol.& Oceanogr., 8(3):323-9
Distribution and population densities of yeast species in Pacific water, air, animals, and kelp off southern California

Boyd, W.L. & J.W. Boyd (1963)A 10-11785 M
Limnol.& Oceanogr., 8(3):343-8
Enumeration of marine bacteria of the Chukchi Sea

ANON. (1963) 10-11786 M
France pêche, (73):55-6
Fiche technique. L'encornet ou calmar
(Fishery card on Loligo vulgaris)

Detachable cards, ill., giving biology, habitat, fishing, catch, commercial use of Loligo vulgaris.

British Museum (Natural History)(1964) 10-11787 M
Sci.Rep.Murray Exped., 10(8)
Crustacea: Chirostylidae (Galatheidea)

Zuev, G.V. (1965) 10-11788 M
Izv.Akad.Nauk SSSR(Biol.), (3):403-9
Osobennosti raspolozheniia dvizhitelia u golovonogikh molliuskov
(On peculiarities of the mover position in Cephalopoda)

Adaptation of Cephalopoda (Loligo, Sommastrephes, Aeroteuthis spp.) to hydroreactive movement is discussed.

Sorokin, Yu.I. (1965) 10-11789 M
Izv.Akad.Nauk SSSR(Biol.), (3):413-22
O bakterialnom khemosinteze v Chernom more
(On bacterial chemosynthesis in the Black Sea)

Durairatnam, M. (1962) 10-11790 M
Bull.Fish.Res.Sta.Colombo, (15):16 p.
Some marine algae from Ceylon - 1

CR 9-11166.

Yamamoto, G. (1964) 10-11791 M
Fishery Propag.Ser.,Tokyo, (6):80 p.
(Studies on the propagation of the scallop, Patinopecten yessoensis (Jay), in Mutsu Bay).
Ni

Ito, S. (1964) 10-11792 M
Fishery Propag.Ser.,Tokyo, (7):40 p.
(On the scalloping in Okhotsk Sea). Ni

Ivlev, V.S. & L.M. Suschenia 10-11793 M
(1961)C
In Tez. dokl. i soobshch. Nauchn. konferentsii posviashch. 40-let. deiatel'nosti Novorossiiskoi biol. st., 33-4
Dykhanie nekotorykh chernomorskikh rakoobraznykh v usloviiakh amfibiontnogo sushchestvovaniia
(Respiration of certain Black Sea crustaceans under conditions of amphibian existence)

Zatutskii, V.P. (1961)C 10-11794 M
In Tez. dokl. i soobshch. Nauchn. konferentsii posviashch. 40-let. deiatel'nosti Novorossiiskoi biol. st., 31-2
Raspredelenie i biomassa zoobentosa severozapadnoi chasti Chernogo moria i nekotorykh bentosoiadnykh ryb
(Distribution and biomass of zoobenthos in the north-western Black Sea and various bottom-feeding fishes)

Zenkevich, L.A. & Ia.A. Birshtein 10-11795 M
(1961)
Okeanologiia, 1:110-24
O geologicheskoi drevnosti glubokovodnoi fauny
(The geological antiquity of deep-water fauna)

D'iakonov, A.M. (1961) 10-11796 M
Issled.dal'nevost.Morei SSSR, 7:5-39
Obzor vidov morskikh zvezd roda Henricia Gray iz severo-zapadnykh chastei Tikhogo okeana
(A review of starfishes of the genus Henricia Gray from the north-western Pacific)

Timm, T. (1965) 10-11797 M
Toim.Eesti NSV Tead.Akad.(biol.), (1):36-48
O maloshchetinkovykh cherviakh morskikh vodoemov Estonskoi SSR
(The oligochaets in the offshore waters of the Estonian SSR). De Eesti

Forest, J. (1963) 10-11798 M
Bull.Inst.océanogr.Monaco, 60(1259):20 p.
Sur deux Scyllarus de l'Atlantique tropical africain: S. paradoxus Miers et S. posteli sp.nov. Remarques sur les Scyllarus de l'Atlantique oriental
(On two Scyllarus of the African tropical Atlantic: S. paradoxus Miers and S. posteli sp.nov. Remarks on the Scyllarus of the eastern Atlantic)

Discusses and reviews the systematics of the spp. Incl. an identification key.

Dow, R.L. (1964) 10-11799 M
Comm.Fish.Rev., 26(8):7-9
Changes in abundance of the marine worm, Glycera dibranchiata, associated with sea-water temperature fluctuations

The profitable fishery, in the Gulf of Maine, where annelids are used as bait for salt-water sport fishing is described.

Zaneveld, J.S. & W.D. Barnes (1965) 10-11800 M
Chesapeake Sci., 6(1):17-32
Reproductive periodicities of some benthic algae in lower Chesapeake Bay

8 benthic Chlorophyta, 3 Phaeophyta, and 18 Rhodophyta were observed.

Wells, H.W. (1965) 10-11801 M
Chesapeake Sci., 6(1):38-42
Maryland records of the Gastropod, Littorina littorea, with a discussion of factors controlling its southern distribution

Haven, D.S. (1965) 10-11802 M
Chesapeake Sci., 6(1):43-51
Supplemental feeding of oysters with starch

Effects of carbohydrate supplements on shell and tissue growth of Crassostrea virginica were studied.

Pfitzenmeyer, H.T. (1965) 10-11803 M
Chesapeake Sci., 6(1):52-9
Annual cycle of gametogenesis of the soft-shelled clam, Mya arenaria, at Solomons, Maryland

Martin, A.L. (1964) 10-11804 M
Proc.zool.Soc.Lond., 143(4):525-44
The alimentary canal of Marinogammarus obtusatus (Crustacea, Amphipoda)

Functional morphology is described, with particular reference to proventriculus and digestive gland. Proventriculus is compared with that of mysids and isopods and it is concluded that modifications of the fore-gut in various malacostracan groups are likely to be adaptations to differences in food and feeding habits.

Gee, J.M. (1964) 10-11805 M
Proc.zool.Soc.Lond., 143(3):405-41
The British Spirorbinae (Polychaeta: Serpulidae) with a description of Spirorbis cuneatus sp. n. and a review of the genus Spirorbis

Kawahara, T. (1963) 10-11806 M
Rep.Fac.Fish.Univ.Mie, 4(3):391-418
Studies on the marine fouling communities. 2. Differences in the development of the test block communities with reference to the chronological differences of their initiation

Observation of changes in the number and spp. of organisms occuring; chronological changes in numbers and spp. of animals constituting a community.
Co 9-03256.

Wada, K. (1964) 10-11807 M
Bull.Jap.Soc.sci.Fish., 30(2):127-31
On the spiral growth of the inner surface of the calcitic shell, Chlamys nobilis. 3

Investigation of the crystallographical orientation of mineral constituents in growth hills on the calcitostracum of Chlamys nobilis, and comparison with Anomia and Ostrea shells.
Co 9-04232.

Wada, K. (1964) 10-11808 M
Bull.Jap.Soc.sci.Fish., 30(2):132-6
On the spiral growth of the inner surface of the calcitic shell. 4. The crystal structure of calcite

Identification by electron diffraction pattern, of the crystal structure of calcite built up on different parts of a growth hill in an attempt to clarify the mechanism of development.
Co 10-11807.

Enomoto, Y. (1964) 10-11809 M
Bull.Jap.Soc.sci.Fish., 30(3):216-20
Studies on the food base in the Yellow and the East China Seas. 5. On the main crustaceans as the food item of fish resources

Lists 37 spp. of Crustacea with spp. which are main feeders on each. Note on frequence distribution of Crustacea.
Co 9-03155.

Tamura, T. et al. (1964) 10-11810 M
Canad.J.Biochem.Physiol., 42(9):1331-7
Isolation of 22-dehydrocholesterol from scallop

22-dehydrocholesterol was isolated from sterols extracted from adductor muscles of fresh scallop (Placopecten magellanicus). The azoyl esters of the crude sterol preparation were separated into four zones by chromatography, and the γ-zone subjected to further analysis by gas chromatography.

McLaughlin, P.A. (1963) 10-11811 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (401):75 p.
Survey of the benthic invertebrate fauna of the eastern Bering Sea

Presents a limited checklist of species found during 1958 & 1959. Gives identifications of: pelecypods, gastropods (not nudibranchs), barnacles, decapod, tunicates, most echinoderms, and some bryozoa, hydroid and annelids. Other organisms are listed under class or order.

Neushul, M. & F.T. Haxo (1963) 10-11812 M
Amer.J.Bot., 50(4):349-53
Studies on the giant kelp, Macrocystis. 1. Growth of young plants

The growth of entire young plants of Macrocystis pyrifera was studied in the sea and in the laboratory. The transplantation experiments and diving observations demonstrated the important influence of biological activity on the establishment and growth of young plants in the sea.

Neushul, M. (1963) 10-11813 M
Amer.J.Bot., 50(4):354-9
Studies on the giant kelp, Macrocystis. 2. Reproduction

The reproduction of Macrocystis pyrifera was studied in the sea and in the laboratory. The behavior of abscised sporophylls in laboratory tanks, as well as their morphology and coloration, strongly suggests an interrelationship between the translocation of photosynthetic products and fructification.
Co 10-11812.

Frederick, J.J. (1964)C 10-11814 M
Thesis, The University of Michigan, 103 p.
The marine algae of the Bermuda platform

DA 25(8)4371.

Cerame-Vivas, M.J. (1964)C 10-11815 M
Thesis, Duke University, 142 p.
The distributional pattern of benthic invertebrates of the continental shelf off North Carolina

DA 25(8)4873.

Dickie, L.M. & J.C. Medcof (1963) 10-11816 M
J.Fish.Res.Bd Can., 20(2):451-82
Causes of mass mortalities of scallops (Placopecten magellanicus) in the southwestern Gulf of St. Lawrence

Attributes the more drastic of 9 midsummer mass mortalities, since 1928, to sudden great increases in water temperatures. Smaller temperature fluctuations may cause debility thus raising the predation rate. Starfish in aquarium experiments devoured scallops, and unusual abundances of starfish might explain several of the slower, less devastating mortalities.
FiB:cmhh

Glynn, P.W. (1963)C 10-11817 M
Thesis, Stanford University, 344 p.
Ecological studies on the Endocladia muricata - Balanus glandula association in the intertidal zone in Monterey Bay, California

DA 24(8)3062.

Broch, E.S. (1963)C 10-11818 M
Thesis, Cornell University, 179 p.
Ecology and physiology of the embryonated egg of the fairy shrimp Chirocephalopsis bundyi Forbes, with reference to factors synchronizing the life cycle to the temporary pond

DA 24(8)3467.

Ferguson, J.C. (1963)C 10-11819 M
Thesis, Cornell University, 164 p.
The physiological mechanisms of nutrient transport in the starfish Asterias forbesi

DA 24(8)3470.

Leibo, S.P. (1963)C 10-11820 M
Thesis, Princeton University,
Studies on the effects of subzero temperatures on the unicellular red alga, Porphyridium cruentum

DA 24(12)5502.

Rao, B. (1963)C 10-11821 M
Thesis, University of California, Berkeley, 100 p.
Analysis of the X-ray induced mitotic delay in sea urchin eggs

DA 24(12)5629.

de Leon, A.I. et al.(1963) 10-11822 M
Philipp.J.Sci., 92(1):77-87
Chemical composition of some Philippine algae

A study of the composition of seaweeds, mostly of the genus Sargassum, in the Philippine seas, in connection with their application for food and industrial purposes.

Bowers, D.E. (1964) 10-11823 M
Ecology, 45(4):677-96
Natural history of two beach hoppers of the genus Orchestoidea (Crustacea: Amphipoda) with reference to their complemental distribution

The differences between O. californiana and O. corniculata of the coast of California are studied.

Wells, H.W., M.J. Wells & I.E. Gray (1964) 10-11824 M
Ecology, 45(4):752-66
Ecology of sponges in Hatteras Harbor, North Carolina

Chapman, V.J. (1964) 10-11825 M
Ecology, 45(4):889-92
A submarine algal growth chamber for studies in benthic productivity

Neushul, M. & J.H. Powell (1964) 10-11826 M
Ecology, 45(4):893-4
An apparatus for experimental cultivation of benthic marine algae

Sieburth, J.M. (1964)C 10-11827 M
Devs ind.Microbiol., 5:435-46
Antibacterial substances produced by marine algae

Issued also as: Coll.Repr.Narragansett Mar. Lab., (80).

Ercolini, A. (1964) 10-11828 M
Z.vergl.Physiol., 49(2):138-71
Ricerche sull'orientamento astronomico di anfipodi littorali della zona equatoriale. 1. L'orientamento solare in una popolazione somala di Talorchestia martensii Weber
(Investigations on the astronomical orientation of littoral amphipods of the equatorial zone. 1. Solar orientation in a population of Talorchestia martensii Weber in Somalia). It En De

T. martensii, an amphipod of the shoreline near Mogadishu, was found to possess a solar orientation mechanism. Systematic differences in orientation were observed between animals that were tested immediately after collection, those that were kept in the laboratory under different conditions of illumination and those that were born in captivity.

Ai, T., M. Nonaka & T. Sasaki (1964) 10-11829 M
Bull.Jap.Soc.sci.Fish., 30(10):828-30
(Spawning and early development of the topshell, Turbo cornutus Solander. 1. The spawning behavior in the field). Ni En

Observation on spawning season and location, spawning action, fertilized eggs, effect of environmental conditions on spawning action and fertilization.

Ecker, R.F. & J.W. Brookbank 10-11830 M
(1963)
Biochim.biophys.Acta, 72(3):490-3
A ribosome fraction from sand-dollar (Mellita quinquiesperforata) avo

Gur'ianova, E.F. (1962) 10-11831 M
Opred.Faune SSSR, (74): 440 p.
Bokoplavy severnoi chasti Tikhogo okeana (Amphipoda - Gammaridea). 1 (Amphipods of the northern part of the Indopacific Ocean (Amphipoda: Gammaridea). Part. 1)

A systematic list of families, genera and spp. of Amphipoda, Gammaridea, with ill. and detailed description.

Birshtein, Ia.A. (1961) 10-11832 M
Biull.mosk.Obshch.Ispyt.Prir.(biol.), 66:126-44
Podzemnye bokoplavy Kryma (Borrowing sand-hoppers of the Crimea).
En

Cloney, R.A. (1963) 10-11833 M
Biol.Bull.,Woods Hole, 124(3):241-53
The significance of the caudal epidermis in ascidian metamorphosis

Describes studies on tail resorption in larvae of Amaroucium. Finds that the epidermis acts independently of the other tissues. Same histological changes were reproduced by the action of a proteolytic enzyme on isolated tails.

Costlow, J.D. Jr. (1963) 10-11834 M
Biol.Bull.,Woods Hole, 124(3):254-61
Molting and cyclic activity in chromatophorotropins of the central nervous system of the barnacle, Balanus eburneus

Showed cyclical endocrine activity in Balanus eburneus by extracting CNS in sea water at different times post ecdysis, and using the chromatophore response of eyeless Uca as a bioassay.

Iwasaki, H. & C. Matsudaira 10-11835 M
(1963)
Biol.Bull..Woods Hole, 124(3):268-76
Observation on the ecology and reproduction of free-living Conchocelis of Porphyra tenera

Describes the different reproductive bodies produced under various conditions of illumination and temperature; follows their subsequent development.

Lewis, J.B. (1963) 10-11836 M
Biol.Bull.,Woods Hole, 124(3):277-84
Environmental and tissue temperatures of some tropical intertidal marine animals

Measurements for Nerita, Fissurella and Tetraclita exposed at low tide, using fine wire thermocouples, indicated body temperatures in excess of air temperature on a sunny day; evaporative coding was most effective in Nerita. Suggests a relationship between temperature regulating ability and intertidal zonation.

FAO:cmhh

Cadenat, J. (1962) 10-11837 M
Bull.Inst.franç.Afr.noire, 24(1):305-12
Notes d'ichtyologie ouest-africaine 37. Sur quelques espèces nouvelles ou peu communes de la côte occidentale d'Afrique (Notes on West African ichthyology. 37. Some new and little known species from the West African coast)

Co 8-08429.

Ivlev, V.S. & K.K. Yakovleva 10-11838 M
(1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 152(1-6):1316-9
The level of metabolism of sponges

The noncolonial sponge Suberites domuncula from Black Sea was investigated.
En 9-11175.

Bodeanu, N. (1964) 10-11839 M
Rev.roum.Biol.(Zool.), 9(6):435-45
Contribution à l'étude quantitative du microphytobenthos du littoral roumain de la mer Noire
(Contribution to the quantitative study of the microphytobenthos of the Black Sea littoral of Romania)

86 species of Diatomea have been found; their number amounted to 72 millions of cells/per square meter, and their biomass to 253 mg/per square meter.

Board, P.A. & T.M. Collins 10-11840 M
(1965)
Discovery, 26(5):14-8, 49
Physical forces in marine fouling

Shear can prevent larvae from approaching surfaces close enough to settle.

Gomez, R. (1965) 10-11841 M
Naturwissenschaften, 52(9):216
Acceleration of development of gonads by implantation of brain in the crab *Paratelphusa hydrodromous*

Kleinholz, L.H. & F. Kimball 10-11842 M
(1965)
Gen.comp.Endocr., 5:336-41
Separation of neurosecretory pigmentary-effector hormones of the crustacean eyestalk

Spp. of *Pandalus*, *Palaemonetes* and *Uca* were investigated.

Carlisle, D.B. (1965) 10-11843 M
Gen.comp.Endocr., 5:366-72
The effects of crustacean and locust ecdysons on moulting and proecdysis in juvenile shore crabs, *Carcinus maenas*

Chia, F-S. (1964)C 10-11844 M
Thesis, University of Washington, 236 p.
The developmental and reproductive biology of a brooding starfish, *Leptasterias hexactis* (Stimpson)

DA 25(9)5453.

Moore, D.R. (1964)C 10-11845 M
Thesis, University of Miami, 248 p.
The family Vitrinellidae in south Florida and the Gulf of Mexico

DA 25(9)5458.

Allen, J.A. (1965) 10-11846 M
J.Mar.biol.Ass.U.K., 45(2):291-304
Observations on the biology of *Pandalina brevirostris* (Decapoda; Crustacea)

Fontaine, A.R. (1965) 10-11847 M
J.Mar.biol.Ass.U.K., 45(2):373-85
The feeding mechanisms of the ophiuroid *Ophiocomina nigra*

Newell, R.C. & H.R. Northcroft 10-11848 M
(1965)
J.Mar.biol.Ass.U.K., 45(2):387-403
The relationship between cirral activity and oxygen uptake in *Balanus balanoides*

Boltovskoy, E. (1964) 10-11849 M
J.Cons., 29(2):136-45
Seasonal occurrences of some living Foraminifera in Puerto Deseado (Patagonia, Argentina)

Living specimens of five benthonic spp. collected every week for two years at the same station have been counted and measured.

Coughlan, J. & A.D. Ansell 10-11850 M
(1964)
J.Cons., 29(2):205-13
A direct method for determining the pumping rate of siphonate bivalves

Describes experiments and gives data for *Venus mercenaria*.

Edmunds, M. (1964) 10-11851 M
Bull.Mar.Sci.Gulf Caribb., 14(1):1-32
Eolid Mollusca from Jamaica, with descriptions of two new genera and three new species

Two new genera, *SELVA* (family Cuthonidae) and *PALISA* (family Facelinidae) were established.

Linton, J.R. & B.L. Soloff 10-11852 M
(1964)
Bull.Mar.Sci.Gulf Caribb., 14(1):45-61
The physiology of the brood pouch of the male sea horse *Hippocampus erectus*

Fuss, C.M. Jr. (1964) 10-11853 M
Bull.Mar.Sci.Gulf Caribb., 14(1):62-73
Observations on burrowing behavior of the pink shrimp, *Penaeus duorarum* Burkenroad

Dragovich, A. & J.A. Kelly Jr. 10-11854 M
(1964)
Bull.Mar.Sci.Gulf Caribb., 14(1):74-102
Ecological observations of macro-invertebrates in Tampa Bay, Florida

82 species belonging to 78 genera were observed. Their occurrence, distribution, relation to bottom type, temperature and salinity ranges are discussed.

Herrnkind, W.F. & W.C. Cummings 10-11855 M
(1964)
Bull.Mar.Sci.Gulf Caribb., 14(1):123-5
Single file migrations of the spiny lobster, *Panulirus argus* (Latreille)

Roper, C.F.E. (1964) 10-11856 M
Bull.Mar.Sci.Gulf Caribb., 14(1):140-8
Enoploteuthis anapsis, a new species of enoploteuthid squid (Cephalopoda: Oegopsida) from the Atlantic Ocean

Dobkin, S. & R.B. Manning 10-11857 M
(1964)
Bull.Mar.Sci.Gulf Caribb., 14(1):149-57
Osmoregulation in two species of *Palaemonetes* (Crustacea: Decapoda) from Florida

Wolff, T. (1964) 10-11858 M
New Scient., 24(414):241-4
Life in the ocean six miles down

Describes fauna from the ultra-abyssal trenches collected by GALATHEA and VITIAZ expeditions.

Linsenmair, K.E. (1965) 10-11859 M
Naturwissenschaften, 52(10):256-7
Optische Signalisierung der Kopulationshöhle bei der Reiterkrabbe *Ocypode saratan* Forsk. (Decapoda Brachyura Ocypodidae)
(Optical signaling by means of copulation caverns in the shore horsecrab *Ocypode saratan* Forsk. (Decapoda, Brachyura, Ocypodidae))

Barnes, R.D. (1964) 10-11860 M
Biol.Bull.,Woods Hole, 127(3):397-412
Tube-building and feeding in the chaetopterid polychaete, *Spiochaetopterus oculatus*

Arnold, J.M. (1965) 10-11861 M
Biol.Bull.,Woods Hole, 128(1):24-32
Normal embryonic stages of the squid, *Loligo pealii* (Lesueur)

Costlow, J.D. Jr. (1965) 10-11862 M
Biol.Bull.,Woods Hole, 128(1):58-66
Variability in larval stages of the blue crab, *Callinectes sapidus*

Wilkens, J.L. & M. Fingerman 10-11863 M
(1965)
Biol.Bull.,Woods Hole, 128(1):133-41
Heat tolerance and temperature relationships of the fiddler crab, *Uca pugilator*, with reference to body coloration

Dehnel, P.A. & D. Stone (1964) 10-11864 M
Biol.Bull.,Woods Hole, 126(3):354-72
Osmoregulatory role of the antennary gland in two species of estuarine crabs

Hemigraphus nudus and *H. oregonensis* from the intertidal zone of British Columbia shores were investigated.

Green, J.P. (1964) 10-11865 M
Biol.Bull.,Woods Hole, 126(3):407-13
Morphological color change in the Hawaiian ghost crab, *Ocypode ceratophthalma* (Pallas)

Loosanoff, V.I. (1964) 10-11866 M
Biol.Bull.,Woods Hole, 126(3):423-39
Variations in time and intensity of setting of the starfish, *Asterias forbesi*, in Long Island Sound during a twenty-five-year period

Corning, W.C., D.A. Feinstein & J.R. Haight (1965) 10-11867 M
Science, 148(3668):394-5
Arthropod preparation for behavioral, electrophysiological, and biochemical studies

Electrodes and cannulea have been implanted in the *Limulus polyphemus* (horseshoe crab) to obtain recordings of electrical activity from the optic nerve, heart, and abdominal ganglia.

Millman, B.M. & G.F. Elliott (1965) 10-11868 M
Nature,Lond., 206(4986):824-5
X-ray diffraction from contracting molluscan muscle

The anterior byssus retractor muscle of *Mytilus* was investigated.

Boycott, B.B. (1965) 10-11869 M
Sci.Amer., 212(3):42-50
Learning in the *Octopus*

Tests of capacities of *Octopus vulgaris* before and after brain surgery.

Hutchings, L.M. (1963) 10-11870 M
Biol.Bull.,Woods Hole, 125(2):302-10
The combined effect of ultraviolet irradiation and heat upon cleavage of sea urchin eggs

Laboratory experiments on *Arbacia* and *Strongylocentrotus*; greater or lesser delay in first cleavage was observed.

Knowlton, R.E. & J.M. Moulton (1963) 10-11871 M
Biol.Bull.,Woods Hole, 125(2):311-31
Sound production in the snapping shrimps *Alpheus* (Crangon) and *Synalpheus*

Observations were carried out on 56 stations surrounding the Bermuda Is. Description of the snapping mechanism, anatomy and physiology of the chela musculature. Analysis of noise recordings at various locations and depths. Suggests that shrimp noise is useful in determining benthic environments and fauna.

Hartnoll, R.G. (1963) 10-11872 M
Proc.zool.Soc.Lond., 141(3):423-96
The biology of Manx spider crabs

Fourteen spp. of spider crabs occurring in the Isle of Man area were investigated, particular attention being given to their distribution, food, moulting cycle and breeding. List of spp.; *Maja squinado*, *Eurynome aspera*, *Eurynome spinosa*, *Hyas araneus*, *Hyas coarctatus*, *Pisa gibbsi*, *Pisa tetraodon*, *Achaeus cranchi*, *Inachus dorsettensis*, *Inachus leptochirus*, *Inachus phalangium*, *Macropodia egyptia*, *Macropodia longirostris*, *Macropodia rostrata*.

Millar, R.H. (1963) 10-11873 M
Proc.zool.Soc.Lond., 141(3):623-8
The structure and relationships of the ascidian *Ciallusia longa* Van Name

A re-examination of *Ciallusia longa* Van Name shows that the pedicel contains test, epidermis, and connective tissue with blood channels, and that the heart lies on the right of and below the posterior part of the branchial sac. No trace of epicardia was found. The systematic position of *Ciallusia* is discussed.

Brafield, A.E. (1963) 10-11874 M
Anim.Behav., 11(2/3):345-6
The effects of oxygen deficiency on the behaviour of *Macoma balthica* (L.)

Experiments with *Macoma* in batches of 10 buried in sand through which gas mixtures giving different oxygen saturations were passed showed that surfacing behaviour, observed at low tide at Whitstable, is stimulated by oxygen shortage.

Mackintosh, N.J., J. Mackintosh 10-11875 M
& N.S. Sutherland (1963)
Anim.Behav., 11(2/3):355-8
The relative importance of horizontal and vertical extents in shape discrimination by Octopus

Gives results of training experiments followed by transfer tests.

Houghton, D.R. (1963) 10-11876 M
J.Anim.Ecol., 32(2):193-201
On the vertical distribution of Elminius modestus Darwin

Settlement of Elminius modestus occurs over a wide range from the supralittoral fringe to a depth of at least 17 m in harbours of south England. On shore the greatest density of settlement is in the lower midlittoral zone, the vertical distribution being a telescoped version of that found under conditions of continuous immersion.

Menzies, R.J. (1963) 10-11877 M
Int.Rev.Hydrobiol., 48(2):185-200
General results of biological investigations on the deep-sea fauna made on the U.S.N.S. ELTANIN (U.S.A.R.P.) during cruise 3 between Panama and Valparaiso, Chile in 1962

Preliminary results based on shipboard observations.

Houghton, D.R. (1963) 10-11878 M
J.Anim.Ecol., 32(2):253-7
The relationship between tidal level and the occurrence of Pinnotheres Pisum (Pennant) in Mytilus edulis L.

The percentage infection differs from one locality to another at the same tidal level and it increases from the middle shore to the sublittoral zone for any given size-group. The percentage infection is also related to the tidal level at which the population is living.

Grant. W.C. Jr. (1963)A 10-11879 M
Ecology, 44(4):767-71
Notes on the ecology and behavior of the hermit crab, Pagurus acadianus

Boaden, P.J.S. (1963) 10-11880 M
Proc.zool.Soc.Lond., 141(1):173-205
The interstitial Turbellaria Kalyptorhynchia from some North Wales beaches

von Buddenbrock, E.S. (1963)A 10-11881 M
Vie et Milieu, 14(1):55-70
Études physiologiques et histologiques sur le tégument des Holothuries (Holothuria tubulosa)
(Physiological and histological studies of the tegument of holothurians (Holothuria tubulosa))

Tuzet, O. & J. Paris (1963) 10-11882 M
Vie et Milieu, 14(1):71-89
OCTAVELLA galangaui n. g. n. sp. Demospongiae, Oscarellidae, de Banyuls-sur-Mer
(OCTAVELLA galangaui n. g. n. sp. Demospongiae, Oscarellidae, of Banyuls-sur-Mer)

Describes the species.

Fenaux, L. (1963)A 10-11883 M
Vie et Milieu, 14(1):91-6
Note préliminaire sur le développement larvaire de Amphiura chiajei (Forbes)
(Preliminary note on the larval development of Amphiura chiajei (Forbes))

Boaden, P.J.S. (1963) 10-11884 M
Proc.zool.Soc.Lond., 140(3):485-502
Marine Gastrotricha from the interstitial fauna of some north Wales beaches

Millar, R.H. (1963) 10-11885 M
Proc.zool.Soc.Lond., 141(4):689-746
Australian ascidians in the British Museum (Natural History)

60 species were identified, five of them new.

McLachlan, J. (1964) 10-11886 M
Canad.J.Microbiol., 10(5):769-82
Some considerations of the growth of
marine algae in artificial media

Growth of 10 species of unicellular marine algae, representative of seven classes, in an enriched seawater medium was compared with growth in several artificial media. Large changes in the magnesium-to-calcium ratio did not appear to affect growth, but a relation between sodium and magnesium and calcium was indicated for several organisms.

Pequegnat, L.H. (1964) 10-11887 M
Pacific Discov., 17(4):20-7
The facts about mussel poisoning

Refers to Mytilus californianus.

McDowell, S.B. (1964) 10-11888 M
Proc.zool.Soc.Lond., 143(2):239-80
Partition of the genus Clemmys and related
problems in the taxonomy of the aquatic
Testudinidae

Graham, A. (1964) 10-11889 M
Proc.zool.Soc.Lond., 143(2):301-29
The functional anatomy of the buccal mass
of the limpet (Patella vulgata)

Townsley, P.M., R.A. Richy & 10-11890 M
P.C. Trussell (1965)
Canad.J.Zool., 43(1):167-72
The occurrence of protoporphyrin and
myoglobin in the marine borer, Bankia
setacea (Tryon)

Beliaev, G.M. & N.G. Vinogradova 10-11891 M
(1961)
Okeanologiia, 1:125-32
Issledovanie donnoi fauny Iavanskoi
glubokovodnoi vpadiny (Indiiskii okean)
(Investigation of the bottom fauna of the
Java deep water trough in the Indian
Ocean)

Kastrikin, N.F. (1961) 10-11892 M
Nauch.Dokl.vyssh.Shk.(biol.), 2:68-70
Nekotorye dannye o strukture
poperechnopolosatoi myshtsy kraba
(Data on the structure of striped muscle
in the crab)

Murina, V.V. (1961) 10-11893 M
Okeanologiia, 1:140-2
O geograficheskom rasprostranenii
abissal'noi sipunkulidy Phascolion
lutense Selenka
(Geographical distribution of the abyssal
sipunculid Phascolion lutense Selenka)

Polikarpov, G.G. & V.P. 10-11894 M
Parchevskii (1961)
Okeanologiia, 1:338-9
Radioaktivnost' vodoroslei Adriaticheskogo
i Chernogo morei
(Radioactivity of algae in the Adriatic
and Black Seas)

Filatova, Z.A. (1961) 10-11895 M
Okeanologiia, 1:133-5
Nekotorye novye dannye o dvustvorchatykh
molliuskakh Iavanskoi vpadiny (Indiiskii
okean)
(Some new data on bivalve molluscs of the
Java depression (Indian Ocean))

Levenshtein, R.Ia. (1961) 10-11896 M
Okeanologiia, 1:136-9
Novye dannye o mnogoshchetinkovykh
cherviakh (Polychaeta) Iavanskoi vpadiny
(Indiiskii okean)
(New data on Polychaeta of the Java
depression, Indian Ocean)

Kalugina, A.A. (1961)C 10-11897 M
In Tez.dokl.i soobshch.nauchn.konf.posviashch.
40-let.deiatel'nosti Novorossiisk.biol.st.
:29
Kolichestvennyi uchet vodoroslei Novorossiis-
koi bukhty
(Quantitative appraisal of the algae of
Novorossiisk Bay)

Kusakin, O.G. (1961) 10-11898 M
Zool.Zh., 40:666-75
Predstaviteli novogo dlia fauny SSSR semeistva Jaeropsidae (Crustacea, Isopoda, Asellota) v dal'nevostochnykh moriakh
(Members of the family Jaeropsidae (Crustacea, Isopoda, Asellota), hitherto unknown in the USSR, in Far Eastern seas). En

Kliuge, G.A. (1961) 10-11899 M
Issled.dal'nevost.Morei SSSR, 1961:118-43
Spisok mshanok dal'nevostochnykh morei SSSR
(List of bryozoans in the far eastern seas of the USSR)

Lozina-Lozinskii, L.K. (1961) 10-11900 M
Issled.dal'nevost.Morei SSSR, 1961:47-117
Mnogokolenchatye (Pantopoda) dal'nevostochnykh morei SSSR
(Pantopoda of the far eastern seas of the USSR)

Kusakin, O.G. (1961) 10-11901 M
Issled.dal'nevost.Morei SSSR, 1961:312-43
Nektorye zakonomernosti raspredeleniia fauny i flory v osuchnoi zone Iuzhnykh Kuril'skikh ostrovov
(Some patterns of fauna and flora distribution in the intertidal zone of the South Kuril Islands)

Pergament, T.S. (1961) 10-11902 M
Issled.dal'nevost.Morei SSSR, 1961:144-50
K faune Echiurida dal'nevostochnykh morei SSSR
(The Echiurida fauna of the far eastern seas of the USSR)

Spasskii, N.N. (1961) 10-11903 M
Issled.dal'nevost.Morei SSSR, 1961:261-311
Litoral' iugo-vostochnogo poberszh'ia. Kamchatki
(The south-east littoral of Kamchatka)

Ushakov, P.V. (1961) 10-11904 M
Issled.dal'nevost.Morei SSSR, 1961:344-8
Nekotorye osobennosti gidrologicheskogo rezhima i fauny zatoplennogo kratera vulkana bukhty L'vinaia Past'na o. Iturup (Kuril'skie o-va)
(Some hydrological and faunistic characteristics of the submerged volcanic crater in the Bay of L'vinaia Past' on Iturup, Kuril Islands)

Khlebovich, V.V. (1961) 10-11905 M
Issled.dal'nevost.Morei SSSR 1961:151-260
Mnogoshchetinkovye chervi (Polychaeta) litorali Kuril'skikh ostrovov
(Polychaeta of the Kuril Island littoral)

Takeda, M. & H. Katsuura (1964) 10-11906 MF
J.Shimonoseki Univ.Fish., 13(2):35-42
(On isolation of crustacean chitin. 2. Removing of protein by some proteases, organic solvents and surface active agents). Ni En

Methods.
Co 8-10223.

Carruthers, J.N. (1964)A 10-11907 MG
Nature,Lond., 201(4918):530
Equipment for facilitating movement on an internal mud-flat

Kerut, G.A. & M.A. Price 10-11908 MG
(1963)
Life Sci., (2):129-30
5 HT in crab heart

Extracts from heart of Carcinus maenas have a cardio acceleratory effect on the isolated crab heart and also on the heart of the snail Helix aspersa.

Young, R.G. (1963) 10-11909 MG
Life Sci., (2):131-3
Oxygen consumption by the hermit crab, Pagurus hirsutiusculus

Account of experiments with a crab found intertidally in Pacific northwest waters.

Kleinholz, L.H. et al. (1962) 10-11910 MG
Biol.Bull., Woods Hole, 123(2):317-29
Neurosecretion and crustacean retinal pigment hormone: Assay and properties of the light adapting hormone

Details of techniques used, and an assay scale of Palaemonetes unit. Properties of the hormone are consistent with a peptide structure.
Co 62-06071.

Scholander, P.F. (1963) 10-11911 MG
Sci.Amer., 209(6):92-106
The master switch of life

States that studies of diving have led to the identification of the vertebrate animal's ultimate defense against asphyxia: a gross redistribution of the circulation that concentrates oxygen in the brain and heart.

Pochon-Masson, J. (1965) 10-11912 MG
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(20): 5352-4
Schéma du spermatozoïde dévaginé de Homarus vulgaris (Décapode Macroure)
(Scheme of devagination of spermatozoids in Homarus vulgaris (Decapoda Macrura)

Lavallard, R. & P. Lubet (1965) 10-11913 MG
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(19): 5096-9
Ultrastructure du spermatozoïde de la moule (Mytilus perna von Ihering)
(Microstructure of spermatozoids of mussel (Mytilus perna von Ihering))

Price, K.S.,Jr. (1962) 10-11914 MF
Chesapeake Sci., 3(4):244-55
Biology of the sand shrimp, Crangon septemspinosa, in the shore zone of the Delaware Bay region

Growth, reproduction and feeding are considered.

Conover, J.T. (1964) 10-11915 MF
Bot.mar., 7(1-4):4-41
The ecology, seasonal periodicity, and distribution of benthic plants in some Texas lagoons. De

Lewin, J.C. & R.R.L. Guillard (1963) 10-11916 MF
Annu.Rev.Microbiol., 17:373-414
Diatoms

Survey of literature concluded in December, 1962.
Issued also as: Contr.Woods Hole oceanogr. Instn, (1368).

Scully, U. (1964) 10-11917 MF
Gen.comp.Endocr., 4:91-8
Factors influencing the secretion of regeneration-promoting hormone in Nereis diversicolor

Effect of extirpating and of implanting the supraesophageal ganglion as well as effect of multiple implantation of ganglia were studied.

Millar, R.H. (1964) 10-11918 MF
J.Cons., 28(3):432-9
Breedings and gonadial cycle of oysters in Loch Ryan, Scotland

Breeding of native and introduced oysters was studied. Ostrea edulis was object of investigations.

Reeve, M.R. (1962) 10-11919 MF
Thesis, Southampton Univ.
Quantitative aspects of feeding and food conversion in Artemia salina (L.)

Hopkins, J.T. (1964) 10-11920 MF
J.Mar.biol.Ass.U.K., 44:333-41
A study of the diatoms of the Ouse estuary, Sussex. 2. The ecology of the mud-flat diatom flora

Co 9-04214.

Smith, R.I. (1964) 10-11921 MF
Comment.biol., Helsinki, 26(10):12 p.
The reproduction of Nereis diversicolor (Polychaeta) on the south coast of Finland - some observations and problems

The effects of low temperatures and salinity in Finnish brackish waters on the life cycle of the N. diversicolor are considered. Suggestions are made, that selection has produced a genetically distinct population there.

Gunter, G., J.Y. Christmas & R. Killebrew (1964) 10-11922 MF
Ecology, 45(1):181-5
Some relations of salinity to population distributions of motile estuarine organisms, with special reference to penaeid shrimps

Penaeus fluviatilis, P. aztecus, and P. duorarum, were studied mainly.

Carpelan, L. H. (1964) 10-11923 MF
Ecology, 45(1):70-7
Effects of salinity on algal distribution

Describes experiments on algae in Buena Vista Lagoon, California.

Lackey, J.B. (1963) 10-11924 MF
Int.Rev.Hydrobiol., 48(4):577-601
The microbiology of a Long Island bay in the summer of 1961

A qualitative and quantitative study of the microbiota in relation to some chemical and ecological characteristics of the bay (eastern coast of United States).

Bolen, E.G. (1964)A 10-11925 MF
Ecol.Monogr., 34(2):143-66
Plant ecology of spring-fed salt marshes in western Utah

Krishnamoorthi, B. & S. Krishnaswamy (1963) 10-11926 MF
Proc.Indian Acad.Sci.(B), 57(2):83-7
Activity of Marfohysa gravelyi southern (Polychaeta) under heterosmotic conditions

Materials from the brackish-water regions of the Adyar estuary.

Sato, I. & S. Okuda (1964) 10-11927 MF
Zool.Mag., Tokyo, 73(6):159-64
(Brine amoeba introduced with the dried eggs of Artemia salina). Ni En

Note of occurrence, in culture basins of Artemia salina, of Amoeba flowersi thought to be attached to A. salina eggs imported from U.S.A. Comparison with Amoeba salina.

Baid, I.C. (1963)A 10-11928 MF
J.exp.Zool., 153(3):279-85
The effect of salinity on growth and form of Artemia salina (L.)

Ammann, E.C.B. & V.H. Lynch (1964) 10-11929 MF
Analyt.Biochem., 7(4):387-93
Purine metabolism of unicellular algae. 1. Chromatographic detection of some purines, pyrimidines, and imidazoles by their mercuric complexes

Lugt, H.J. (1964) 10-11930 MF
Chem.Engng, 71(6):175-6
Algae dine sumptuously from carbon dioxide feeder

Grampp, W. & J.E. Edstrom (1963) 10-11931 MF
J.Neurochem., 10(10):725-33
The effect of nervous activity on ribonucleic acid of the crustacean receptor neuron

Redfield, A.C. (1965)A 10-11932 MF
Science, 147(3653):50-5
Ontogeny of a salt marsh estuary

Bhimachar, B.S. (1963) 10-11933 MF
Proc.Indo-Pacif.Fish.Coun., 10(2):124-33
Information on prawns from Indian waters
synopsis of biological data

Gives a brief review of available biological information on the marine, brackish and freshwater prawns and shrimps of India. Bibliography.
Co 9-C1433.

Maguire, B. Jr. (1964)A 10-11934 MF
Science, 146(3446):931-2
Crustacea: a primitive Mediterranean group also occurs in North America

Aoto, T. (1963) 10-11935 MF
J.Fac.Sci.Hokkaido(6), 15(2):177-89
The primary response of white chromatophores and the nauplius-eye in the prawn, *Palaemon paucidens*

Experiments on effect of repeated changes of background and of illumination and darkness on the chromatophores; effects of the expiration of nauplius-eye, of injection of extracts from nauplius-eyes and the supraesophageal ganglia, of extirpation of both eyestalks and nauplius-eyes, and of the administration of various drugs, on the white chromatophores.

Newman, W.A. (1962) 10-11936 MF
Thesis, Univ.of California, Berkeley, 92 p.
Adaptive behaviour and physiology of estuarine barnacles

San Francisco Bay and its tributaries constitute unstable estuarine system. Osmoregulation, behaviour and resistance to desiccation investigated in *Balanus amphitrite*, *B. glandula* and *B. improvisus*, in the laboratory.
DA 24(3):1300.

Kul'tiasov, M.V. (1963)B 10-11937 MF
Biull.glav.bot.Sad., 38:104-8
(Botany in the Chinese People's Republic).
Ru

Incl. ref. to morphological, physiological, ecological investigations and study of systematics of algae which have enabled a series of problems to be solved in the cultivation of valuable freshwater (*Scenedesmus*, *Chlorella*) and saltwater (*Laminaria*, *Porphyra*) algae.

Kul'tiasov, M.V. (1963) 10-11938 MF
NLL Transl.Bull., 5(6):483-93
Botany in the Chinese People's Republic

En 10-11937.

Beklemishev, K.V. (1963) 10-11939 MF
9022.56(NS 29)
The discovery of siliceous formations in the epidermis of lower crustaceans

En K.V. Beklemishev, 1954.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Chinese Academy of Sciences, 10-11940 MF
Institute of Oceanography (1962)C
Peking, K'o Hsueh Ch'u Pan She, 198 p.
(A record book of Chinese economic algae).
Ch

BAgr. 28(6)46953.

Schussing, B. (1963) 10-11941 MF
Fortschr.Bot., 25:42-53
(Systematics and phylogeny of the algae).
De

BAgr. 28(6)46965.

Wood, R.D. (1962) 10-11942 MF
Bull.Torry bot.Cl., 89(4):250-3
Preliminary report on Characeae of Australia and the South Pacific

BAgr. 27(2)9108.

Wood, E.J.F. (1963) 10-11943 MF
Trans.roy.Soc.N.Z., 2(15):189-218
Studies on Australian and New Zealand diatoms. 6. Tropical and subtropical species

BAgr. 28(8)67927.

Gledhill, D. (1963) 10-11944 MF
J.Ecol., 51(3):693-703
The ecology of the Aberdeen Creek mangrove swamp

BAgr. 28(8)68364.

Womersley, H.B.S. (1964) 10-11945 MF
Aust.J.Bot., 12(1):53-110
The morphology and taxonomy of Cystophora and related genera (Phaeophyta)

BAgr. 28(11)99045.

Kuhnemann, O. (1963) 10-11946 MF
Bol.Soc.argent.Bot., 10(2/3):105-12
(Penetration of Macrocystis pyrifera in the mouth of the Deseado River). Es

BAgr. 28(11)99773.

Round, F.E. (1963) 10-11947 MF
Endeavour, 22(85):52
Algae. The algae

Re 62-02529.

Yonge, C.M. (1963) 10-11948 MF
Endeavour, 22(85):52
Molluscs. British prosobranch molluscs

Re 8-03207.

Hoogenhout, H. (1963) 10-11949 MF
Phycologia, 2(4):135-47
Synchronous cultures of algae

Bowen, S.T. (1963) 10-11950 MF
Biol.Bull.Woods Hole, 124(1):17-23
The genetics of Artemia salina. 2. White eye, a sex-linked mutation

Reports experiments on sex determination, showing that the female is heterogametic.
Co 62-05850.

Werntz, H.O. (1963) 10-11951 MF
Biol.Bull.,Woods Hole, 124(2):225-39
Osmotic regulation in marine and fresh-water gammarids (Amphipoda)

Measures blood and urine concentrations and rates of urine production for individuals of 4 spp. kept in media of various salinities. Postulates an ionic uptake mechanism which is gradually activated as the salinity decreases.

Post, E. (1963) 10-11952 MF
Int.Rev.Hydrobiol., 48(1):47-152
Zur Verbreitung und Ökologie der Bostrychia-Caloglossa-Assoziation
(On the distribution and ecology of the Bostrychia-Caloglossa association)

Ryuku Islands. Japan.

Krishnamoorthi, B. (1963) 10-11953 MF
J.Mar.biol.Ass.India, 5(1):97-102
On the distribution of six species of polychaetes in the Adyar estuary, Madras

Study of the distribution of Onuphis eremita, Glycera embranchiata, Loimia medusa, Diopatra variabilis, Clymene insecta and Marphysa gravelyi based on occurrence percentage at various stations in the Adyar estuary, Madras.

Darnell, R.M. (1962) 10-11954 MF
Amer.Midl.Nat., 68(2):434-44
Ecological history of Lake Pontchartrain, an estuarine community

Describes origin and history of the basin; molluscan fauna and motile spp. in relation to the hydrographic history; trophic history.

Grosch, D.S. (1962) 10-11955 MF
Biol.Bull., Woods Hole, 123(2):302-16
The survival of Artemia populations in radioactive sea water

Results of a 4 year study on the survival of Artemia cultures exposed to P^{32}, Zn^{65} or x-ray irradiation.

F I

Tabb, D.C. & D.L. Dubrow (1962) 10-11956 MF
Publ.Mar.Lab.Univ.Miami, 62-8: 89 p.
Biological data on pink shrimp Penaeus duorarum, of north Florida Bay and adjacent estuaries in Monroe County, Florida, September, 1957 - March, 1962

Monthly summaries of shrimp carapace length frequency data, and field data on meteorology, tide stage, salinity, temperature, shrimp behaviour and catches per man hour.

Chapman, R.A. (1964) 10-11957 MF
Nature,Lond., 203(4947):872-3
Lability of the action potential and the recovery cycle from isolated motor axons of the crab, Carcinus

Brown, A.C. (1964) 10-11958 MF
Nature,Lond., 203(4941):205-6
Effect of hydrogen sulphide on Bullia (Gastropoda)

Raman, K. (1964) 10-11959 MF
Curr.Sci., 33(1):27
On the location of a nursery ground of the giant prawn Macrobrachium rosenbergii (de Man)

Merrill, A.S., K.O. Emery & M. Rubin (1965) 10-11960 MF
Science, 147(3656):398-400
Ancient oyster shells on the Atlantic continental shelf

Shells of long dead Crassostrea virginica are reported at 71 stations. Radiocarbon measurements indicate that the oysters were alive 8000-11000 years ago.

Karandeeva, O.G. (1965) 10-11961 MF
Dokl.Akad.Nauk SSSR, 160(6):1430-3
Raschet obshchego vodno-solevogo balansa u vodnykh bespozvonochnykh
(Computation of total water-salt balance in aquatic invertebrates)

Gusev, M.V. & E.I. Vasil'kova (1965) 10-11962 MF
Dokl.Akad.Nauk SSSR, 160(5):1209-11
Ob izmeneniiakh soctnosheniia karotinoidy: khlorofill u sinezelenykh vodoroslei pri ispol'zovanii imi organicheskikh
(Shifts in the carotinoid-chlorophyll correlation in blue-green algae feeding on organic substances)

Jones, L.W. (1964)C 10-11963 MF
Thesis, University of Texas, 90 p.
Photosynthetic enhancement phenomena in a blue-green alga, Anacystis nidulans

DA 15(1):586.

Walsh, G.E. (1963)C 10-11964 MF
Thesis, University of Hawaii, 238 p.
An ecological study of the Heeia mangrove swamp

Gives an analysis of the ecological factors in Hawaiian swamps, with dominant tree spp. Rhizophora mangle and Bruguiera sexangula.
DA 15(1):713.

Oglesby, L.C. (1964)C 10-11965 MF
Thesis, University of California, Berkeley, 106 p.
Water and chloride regulation in estuarine nereid polychaetes

DA 25(7):4315.

Vokes, E.H. (1964) 10-11966 MF
Malacologia, 2(1):1-14
Supraspecific groups in the subfamilies Muricinae and Tritonaliinae (Gastropoda: Muricidae)

Ingle, R.W. (1964) 10-11967 MF
Ann.Mag.nat.Hist.(13), 6(68):449-60
Corophium multisetosum Stock, a crustacean amphipod new to Great Britain, with notes on the distribution of C. volutator (Pallas) and C. arenarium Crawford

Tucker, E.V. (1965) 10-11968 MF
Ann.Mag.nat.Hist.(13), 7(78):339-45
The ecology of the branchiopod Dayia navicula (J. de C. Sowerby)

Bourne, N. (1964) 10-11969 MF
Bull.Fish.Res.Bd Can., (145):60 p.
Scallops and the offshore fishery of the Maritimes

Describes biology of sea scallops (*Placopecten magellanicus* and *Chlamys islandicus*) and their fishery in the northwest Atlantic.

Paine, R.T. (1963) 10-11970 MF
Ecol.Monogr., 33(3):187-213
Ecology of the brachiopod *Glottidia pyramidata*

Rapoport, E.H. & L. Sánchez (1963) 10-11971 MF
Oikos, 14(1):96-109
On the epineuston or the superaquatic fauna

Nurminen, M. (1965) 10-11972 MF
Annls zool.fenn., 2(1):11-5
Enchytraeids (Oligochaeta) from northern Norway and western Lapland

King, E.N. (1963)C 10-11973 MF
Thesis, Duke University, 102 p.
The effects of osmotic changes on respiration in four decapod Crustacea: a comparison of intact animals, excised tissue and isolated mitochondria

DA 24(5):2105.

Smith, R.I. (1964) 10-11974 MF
Biol.Bull.,Woods Hole, 126(1):142-9
D_2O uptake rate in two brackish-water nereid polychaetes

A simplified method for the estimation of heavy water D_2O uptake in *Nereis limnicola* and *N. succinea* is presented.

Stephens, G.C. (1964) 10-11975 MF
Biol.Bull.,Woods Hole, 126(1):150-63
Uptake of organic material in aquatic invertebrates. 3. Uptake of glycine by brackish-water annelids

Experiments on *Nereis limnicola* and *N. succinea.*

Noodt, W. (1964) 10-11976 MF
Gewäss.u.Abwäss, (37/38):77-186
Natürliches System und Biogeographie der Syncarida (Crustacea Malacostraca)
(The natural system and biogeography of the Syncarida (Crustacea Malacostraca))

Odum, E.P. & A.A. de la Cruz (1963) 10-11977 MF
A.I.B.S.Bull., 13(3):39-40
Detritus as a major component of ecosystems

Discussion of bio-detritus as an energy source and announcement of a research programme at the University of Georgia Marine Institute on its role in the salt marsh estuarine system.
Issued also as: *Contr.Univ.Ga Mar.Inst.*, (55).

Renaud-Debyser, J. (1963)A 10-11978 MF
P.v.Soc.linn.Bordeaux, 99:1-8
Recherches écologiques sur la faune interstitielle des sables du bassin d'Arcachon
(Ecological investigations on the interstitial fauna of the sands of the Arcachon basin)

McCaul, W.E. (1963) 10-11979 MF
J.Elisha Mitchell sci.Soc., 79(2):111-24
Rhynchocoela: Nemerteans from marine and estuarine waters of Virginia

Issued also as: *Contr.Va Inst.Mar.Sci.*, (140).

Thomas, W.H., H.L. Scotten & J.S. Bradshaw (1963) 10-11980 MF
Limnol.& Oceanogr., 8(3):357-60
Thermal gradient incubators for small aquatic organisms

Describes three different thermal gradient blocks for simultaneously incubating liquid cultures of algae, bacteria and Foraminifera at several temperatures.

Williams, R.B. (1963) 10-11981 MF
Limnol.& Oceanogr., 8(3):360-1
Use of netting to collect motile benthic algae

Describes procedure to obtain living material free of sediment.

Castelfranco, P. & T. Bisalputra (1965) 10-11982 MF
Amer.J.Bot., 52(3):222-7
Inhibitory effect of amitrole on Scenedesmus quadricauda

Kurakake, T. (1964) 10-11983 MF
Fishery Propag.Ser.,Tokyo, (3):52 p.
(On a method of making more productive fishery of the lavers (Porphyra) - engineering ways of improvement and construction). Ni

Malinovskaia, A.S. (1961)C 10-11984 MF
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana
Rol' faktora solenosti v raspredelenii vetvistousykh rachkov v ozerakh Severnogo Kazakhstana
(Salinity as a factor affecting the distribution of water fleas in the lakes of North Kazakhstan)

Bolyshev, N.N. (1961) 10-11985 MF
Vest.mosk.gos.Univ.(Biol.), 2:67-75
Rol' vodoroslei v obrazovanii pochv
(The part played by algae in soil formation)

Buznikov, G.A. & B.N. Manukhin (1961) 10-11986 MF
Zh.obshch.Biol., 22:226-32
Serotoninopodobnoe veshchestvo v embriogeneze nekotorykh briukhnogikh molliuskov
(A serotonin-like substance in the embryogenesis of certain gastropods). En

Jaaska, V. (1965) 10-11987 MF
Toim.Eesti NSV Tead.Akad.(biol.), (1):49-56
Zavisimost produktivnosti i khimicheskogo sostava nekotorykh shtammov zelenykh vodoroslei ot azotistogo pitaniia
(Dependence of the productivity and chemical composition of some green algae on nitrogen nutrition conditions). En Eesti

Studies protein, carbohydrate and lipid content in Chlorococcum spp., and Scenedesmus spp. on the supply of different amounts of nitrogen.

Shewan, J.M. (1963) 10-11988 MF
Torry Mem., (141):10 p.
The organization of a type culture collection

Brief history of national type culture collections (marine and industrial) and organization and operation of the cultures.

Pochon-Masson, J. (1965) 10-11989 MF
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(19):5093-5
Schéma général du spermatozoïde vésiculaire des Décapodes
(General scheme of vesicular spermatozoids of decapods)

Kasinathan, S. (1964) 10-11990 MF
Proc.Indian Acad.Sci(B), 60(6):318-27
A study of alloxan-induced " diabetes " in the estuarine clam, Meretrix casta (Chemnitz)

Krishnamoorthi, B. (1963) 10-11991 MF
Proc.Indian Acad.Sci.(B), 57(5):275-89
Volume regulation in eggs, larvae and adults of a brackish-water polychaete, Diopatra variabilis (Southern)

Investigations on material from Madras.

Dixon, P.S. (1963) 10-11992 MF
Ann.Bot.,Lond., 27(106):353-5
Terminology and algal life histories, with particular reference to the Rhodophyta

Proposal for the classification of life histories are discussed critically. A simple, alternative type of nomenclature is suggested, compatible with the present need for accurate data and critical investigation of all aspects of algal life histories.

Shaw, W.N. (1965) 10-11993 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (508):5 p.
Seasonal gonadal cycle of the male soft shell clam, Mya arenaria, in Maryland

Histological study reveals two cycles of gonadal development each year.

Williams, R.B. (1964) 10-11994 MF
Ecology, 45(4):877-80
Division rates of salt marsh diatoms in relation to salinity and cell size

Wetherell, D.F. (1963)A 10-11995 MF
Physiol.Plant., 16(1):82-91
Osmotic equilibration and growth of Scenedesmus obliquus in saline media

Steinbach, H.B. (1963) 10-11996 MF
Biol.Bull.,Woods Hole, 124(3):322-36
Sodium, potassium and chloride in selected hydroids

Direct determinations of Na and K contents with influx values for Hydra in dilutions of Ringer with pond water, and for Cordylophora & Tubularia in dilutions of sea water.

Zwilling, E. (1963) 10-11997 MF
Biol.Bull.,Woods Hole, 124(3):368-78
Formation of endoderm from ectoderm in Cordylophora

Experiments and histological observations confirming the formation of a new endoderm by ectoderm isolates.

Roginskaya, I.S. (1964) 10-11998 MF
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 152(1-6):1373-6
Dimorphism of spermatozoa in some species of mollusks of the genus Coryphella gray (Gastropoda, Nudibranchia)

En 9-04196.

Bowen, C.C. & T.E. Jensen (1965) 10-11999 MF
Science, 147(3664):1460-2
Blue-green algae: fine structure of the gas vacuoles

Electron micrographs of cells of several spp. of Aphanizomenon, Anabaena, Gleotrichia, Oscillatoria, and Nostoc, are shown and studied.

Gross, W.J. (1964) 10-12000 MF
Biol.Bull.,Woods Hole, 127(3):447-66
Trends in water and salt regulation among aquatic and amphibious crabs

Cancer antennarius, Hemigrapsus oregonensis, Pachygrapsus crassipes, Grapsus grapsus tenuicrustatus, Ocypode ceratophthalma, Uca cremulata, and Gecarcinus lateralis, were investigated.

Nagy, Zs.-I. & J. Salánki (1965) 10-12001 MF
Nature,Lond., 206(4986):842-3
Histochemical investigations of cholinesterase in different molluscs with reference to functional conditions

The lamellibranchs Anodonta and Unio spp., and gastropods Helix, Arion, Limax and Limnea spp., are tested.

Breese, W.P., R.E. Millemann & R.E. Dimick (1963) 10-12002 MF
Biol.Bull.,Woods Hole, 125(2):197-205
Stimulation of spawning in the mussels, Mytilus edulis Linnaeus and Mytilus californianus Conrad, by kraft mill effluent

Describes a laboratory phenomenon where mussels spawned within 24 hours after exposure to 4% KME; electrical and mechanical stimulation was not so effective.

Smith, R.I. (1963) 10-12003 MF
Biol.Bull.,Woods Hole, 125(2):332-43
A comparison of salt loss rate in three species of brackish-water nereid polychaetes

Presents a standardized method for measuring and comparing the total salt loss rates of *Nereis diversicolor*, *N. limnicola* and *N. succinea*, acutely exposed to an osmotic emergency situation.

Barnes, H., D.M. Finlayson & J. Piatigorsky (1963) 10-12004 MF
J.Anim.Ecol., 32(2):233-52
The effect of desiccation and anaerobic conditions on the behaviour, survival and general metabolism of three common cirripedes

The survival, under experimental conditions related to desiccation and the development of anaerobic conditions, is investigated for three cirripedes, *Balanus balanoides*, *B. crenatus* and *Chthamalus stellatus*.

Patrick, R. & D. Strawbridge (1963) 10-12005 MF
Amer.Nat., 97(892):51-7
Variation in the structure of natural diatom communities

Presents a method for determining statistically whether the data obtained from establishing the truncated normal curve for a diatom population falls within the parameters established for natural water conditions within a river or for rivers of a general water type.

Sudzuki, M. (1964) 10-12006 MF
JARE sci.Rep.(E), 19:41 p.
On the microfauna of the Antarctic region. 1. Moss-water community at Langhovde

This paper deals with taxonomy and faunology of the Antarctic moss-water animal community, based upon the materials collected from Langhovde on the Antarctic continent.

Barashkov, G.K. (1961) 10-12007 MF
Bot.Zh., 46:447-54
Khimiia sinezelenykh vodoroslei
(The chemistry of blue-green algae)

Polikarpov, G.G. & V.S. Ten (1961) 10-12008 MF
Nauch.Dokl.vyssh.Shk.(biol.), 2:116-9
Izuchenie kineticheskikh zakonomernostei nakopleniia Ul i UX_1 predstaviteliami zelenykh, burykh i krasnykh vodoroslei
(Kinetic pattern of U-238 and Th-234 accumulation by green, brown and red algae)

Kuznetsov, V.V. & L.V. Verzhbitskaia (1961) 10-12009 MF
Mikrobiologiia, 30:511-4
O roli mikroorganizmov v protsesse korrozii zheleza v vode
(The contribution of microorganisms to the process of iron corrosion in water). En

Uzorin, E.K. (1961) 10-12010 MF
Bot.Zh., 46:731-3
Migratsiia izotopov S^{35} i P^{32} mezhdu vysshimi rasteniiami i vodorosliami
(Migration of S^{35} and P^{32} between higher plants and algae)

Kireeva, M.S. (1961)C 10-12011 MF
In Tez.dokl.i soobshch.nauchn.konf.posviashch. 40-letn.deiatel'nosti Novorossiisk.biol.st. :27-8
Metodika kolichestvennogo ucheta donnoi morskoi rastitel'nosti
(Procedure for quantitative count of demersal vegetation)

Sokol'skaia, N.L. (1961) 10-12012 MF
Zool.Zh., 40:605-6
Novye dannye o geograficheskom rasprostranenii oligokhety *Branchiura sowerbyi* Bedd. i nekotorye svedeniia po ekologii vidy
(New data on the geographical distribution of the oligochaet *Branchiura sowerbyi* Bedd. and some information on its ecology). En

Skadovskii, S.N. et al. (1961)C 10-12013 MF
In 10-11137
Sezonnye kolichestvennye izmeneniia v biotsenozakh obrastanii
(Quantitative seasonal fluctuations in fouling biocoenoses)

Skadovskii, S.N. et al. (1961)C 10-12014 MF
In 10-11137
Printsip ustroistva i deistviia novogo vodochistnogo sooruzheniia "biopoglotitel"
(Constructional and operational principles of the new "biological absorbing agent" water purifier)

Messineva, M.A. & V.I. Uspenskaia (1961)C 10-12015 MF
In 10-11137
Vliianie biotsenozov obrastanii na svoistva protekaiushchei cherez nikh vody
(The effect of fouling biocoenoses on the properties of water circulating through them)

Messineva, M.A. & V.I. Uspenskaia (1961)C 10-12016 MF
In 10-11137
Razvitie biotsenozov obrastanii v zavisimosti ot kachestva i formy iskusstvennoi poverkhnosti
(Development of fouling biocoenoses in relation to the quality and shape of an artificial surface)

Messineva, M.A. & V.I. Uspenskaia (1961)C 10-12017 MF
In 10-11137
Spetsial'nye priemy i metody kolichestvennoi kharakteristiki biotsenozov obrastanii
(Special techniques and methods for the quantitative description of fouling biocoenoses)

Massiuk, N.P. (1961)B 10-12018 MF
Ukr.bot.Zh., 18(4):100-9
Karptynonosna vodorist Dunaliella salina Teod. u solonykh Krimskoi Oblasti
(Carotene-containing alga Dunaliella salina Teod. in saline basins of the Crimean region)

Massyuk, N.P. (1964)C 10-12019 MF
RTS-2211:22 p.
Carotene-containing alga Dunaliella salina Teod. in saline basins of the Crimean region

En 10-12018.
Available from U.S. Department of Commerce, Washington D.C.

Korn, H. (1963) 10-12020 F
Arch.Hydrobiol.Suppl., 28(1):131-82
Studien zur Ökologie der Oligochaeten in der oberen Donau unter Berücksichtigung der Abwassereinwirkungen
(Studies on the ecology of oligochaetes of the upper Danube, with regard to water-pollution effects). En

Fetzmann, E. (1963) 10-12021 F
Arch.Hydrobiol.Suppl., 28(1):183-225
Studien zur Algenvegetation der Donau-Auen
(Studies on algae communities in the former beds of the River Danube)

Viets, K.O. (1963) 10-12022 F
Arch.Hydrobiol., 59(4):467-85
Hygrobatidae (Acari, Hydrachnellae) aus Südafrika
(Hygrobatidae (Acari, Hydrachnellae) from South Africa). En

Bliss, D.E. (1964) 10-12023 F
Gen.comp.Endocr., 4:15-41
Environmental regulation of growth in the decapod crustacean Gecarcinus lateralis

Describes experiments providing evidence that in the growth of this land crab the transition from a state of arrest to one of progression is effected by the external environment, presumably acting through the medium of the neurosecretory system.

Zafar, A.R. (1964) 10-12024 F
Hydrobiologia, 23(1/2):179-95
On the ecology of algae in certain fish ponds of Hyderabad - India

Discusses monthly fluctuations of various physico-chemical complexes over two year period.

Davis, C.C. (1964) 10-12025 F
Hydrobiologia, 23(1/2):253-66
A study of the hatching process in aquatic invertebrates. 7. Observations on hatching in Notonecta melaena Kirkaldy (Hemiptera, Notonectidae) and on Ranatra absona De. & DeC. (Hemiptera, Nepidae). 8. The hatching process of Amnicola(?) hydrobioides (Ancey) (Prosobranchia, Hydrobiidae). Es

Hatching process was observed in the eggs of Notonecta melaena.

Gorham, P.R. (1962) 10-12026 F
Amer.J.publ.Hlth, 52:2100-5
Laboratory studies on the toxins produced
by water blooms of blue-green algae

WPA 37(3)522.

Biallovich, Iu.P. (1961) 10-12027 F
Trud.Kom.okeanogr., 8
Geomorfologicheskii effekt volnozashchitnykh
nasazhdenii na oz. Lenina (Ukr.SSR)
(The geomorphological effect of plants
cultivated on Lake Lenin in the Ukraine to
provide protection from waves)

Sorokin, Iu.I. & E.D. Mordukhai- 10-12028 F
Boltovskaia (1962)B
Biull.Inst.Biol.Vodokhr., (12):17-20
(A study of the nutrition of the rotifer
Asplanchna with the help of carbon). *Ru*

Sorokin, Yu.I. & E.D. Mordukhai- 10-12029 F
Boltovskaya (1963)
M.10035
A study of the nutrition of the rotifer
Asplanchna with the help of carbon

En 10-12028.
Available from National Lending Library for
Science and Technology, Boston Spa, Yorkshire.

Brinkhurst, R.O. (1964) 10-12030 F
Arch.Hydrobiol., 60(4):385-418
Observations on the biology of lake-dwelling
Tubificidae. De

List of tubificid fauna of a series of British
and European lakes with discussion on their
distribution and description of the life
history of *Aulodrilus pluriseta* and *Peloscolex
ferox*.

Popham, E.J. (1964)A 10-12031 F
Arch.Hydrobiol., 60(4):450-96
The migration of aquatic bugs with special
reference to the Corixidae (Hemiptera,
Heteroptera). De

Hagmann, L.E. (1963)B 10-12032 F
Soap, N.Y., 39(2):89,91,104
Midge problem

Life cycle of Chironomidae described. Application of DDT and malathion showed beneficial
results in control.

Nose, T. (1963) 10-12033 F
Bull.Freshw.Fish.Res.Lab., Tokyo, 13(1):31-9
(Seasonal change of the appearance of the
Chironomidae larvae observed in the
experimental pond of constant water
temperature). *Ni* En

Effect of environmental factors on the
production of Chironomidae larvae.

Domogalla, B., A.S. Hazzard & 10-12034 F
W. Gysan (1963)A
U.S.Trout News, 7(6):8
15 years of algae control. Tests prove
organic copper algaecide harmless to trout

Pieczyńska, E. *et al.* (1963)A 10-12035 F
Ekol.polsk.(A), *11*(19):495-502
The biomass of the bottom fauna of 42 lakes
in the Węgorzewo district

Printz, H. (1964)A 10-12036 F
Hydrobiologia, 24(1/3):1-376
Die Chaetophoralen der Binnengewässer,
eine systematische Übersicht
(The Chaetophorales of inland waters -
a systematic review)

Gupta, A.B. & K. Lata (1964)A 10-12037 F
Hydrobiologia, 24(1/3):430-4
Effect of algal growth hormones on the
germination of paddy seeds

Smirnov, N.N. (1964)A 10-12038 F
Hydrobiologia, 24(1/3):421-9
On the quantity of allochthonous pollen
and spores received by the Rybinsk
reservoir

Syrett, P.J. & I. Morris (1963) 10-12039 F
Biochim.biophys.Acta, 67(4):566-75
The inhibition of nitrate assimilation by ammonium in *Chlorella*

Chlorella vulgaris growing with ammonium nitrate as nitrogen source preferentially assimilates ammonium. Nitrate assimilation ceases completely when ammonium is added and recommences as soon as ammonium has disappeared.

Pieczyńska, E. & I. Spodniewska (1963)A 10-12040 F
Ekol.polsk.(A), 11(22):533-45
Occurrence and colonization of periphyton organisms in accordance with the type of substrate

Forrest, H. (1963) 10-12041 F
Ecology, 44(3):609-10
Immortality and Pearl's survivorship curve for *Hydra*

Discusses the recent reexamination of immortality in *Hydra* by A.E. Stiven.

Black, J.B. (1963) 10-12042 F
Ecology, 44(3):592-5
Observations on the home range of stream-dwelling crawfishes

Samples of *Procambarus penni* and *P. bivittatus*, were collected with electrical shock apparatus; the cephalothorax was measured and the animals returned after marking with an ink injection (blue, black, red). Recapture results indicated a definite home range of less than 100 ft.

Minckley, W.L. (1964)A 10-12043 F
Ecology, 45(1):195-7
Upstream movements of *Gammarus* (Amphipoda) in Doe Run, Meade County, Kentucky

Moore, W.G. (1963) 10-12044 F
Ecology, 44(1):131-9
Some interspecies relationships in Anostraca populations of certain Louisiana ponds

Eubranchipus holmani; *Streptocephalus seali*.

Pennak, R.W. (1963)A 10-12045 F
Ecology, 44(1):1-15
Ecological and radiocarbon correlations in some Colorado mountain lake and bog deposits

Stiven, A.E. (1964)A 10-12046 F
Ecol.Monogr., 34(2):119-42
Experimental studies on the epidemiology of the host-parasite system, *Hydra* and *Hydramoeba hydroxena* (Entz). 2. The components of a simple epidemic

Rudan, B. (1964)A 10-12047 F
Arch.FischWiss., 15(2):122-9
Neueres Schrifttum über die Flussperlmuschel *Margaritana margaritifera* L. (Recent literature on the river pearl mussel *Margaritana margaritifera* L.). En

Philipose, M.T. (1963) 10-12048 F
Indian Livestock, 1(2):20-1
Making fish ponds weed-free

Describes the types of weeds occurring in fish ponds in India and the methods found effective under local conditions to eradicate them.

Radinovsky, S. (1964) 10-12049 F
Nat.Hist.,N.Y., 73(9):16-25
Cannibal of the pond

New study on the behaviour of the water insect *Ranatra fusca* (Nepidae, Hemiptera).

Anastasiou, C.J. (1964) 10-12050 F
Pacif.Sci., 18(2):202-6
Some aquatic fungi imperfecti from Hawaii

Reports spp. collected from streams, most of which were identified from spores collected in foam and scum, with ill. description of *Dactylella appendiculata* n.sp.

Barth, F.G. (1964) 10-12051 F
Z.vergl.Physiol., 48:181-9
A phasic-tonic proprioceptor in the telson of the crayfish Procambarus clarki (Girard)

Observations on the properties of the proprioceptor in the isolated telson of the crayfish Procambarus clarki by means of recording nerve signals occuring when it was subjected to rigidly controlled movements.

Higashi, S. & K. Hayashi (1964) 10-12052 F
Bull.Jap.Soc.sci.Fish., 30(3):227-33
(On the larvae of fresh-water bivalves in the Lake Biwa-Ko). Ni En

Breeding season; comparison of fecundity between species; sex ratio; classification of glochidium into two morphological types.

Hodge, D. (1964) 10-12053 F
N.Z.J.Sci., 7(3):387-95
A redescription of Tenagomysis chiltoni (Crustacea: Mysidacea) from a freshwater coastal lake in New Zealand

Ill. description (first time for male); partial water analysis; discussion of morphological changes accompanying growth.

Ichikawa, A. & M. Kawakatsu 10-12054 F
(1964)
Annot.zool.Jap., 37(3):185-94
A new freshwater planarian, Dugesia japonica, commonly but erroneously known as Dugesia gonocephala (Duges)

Taxonomic history and reclassification, ill. morphological description.

Kanatani, H. (1964) 10-12055 F
Zool.Mag., Tokyo, 73(2):52-7
(Fission-promoting action of a water extract of planarian body in Dugesia gonocephala (Preliminary Report)). Ni En

Tests made with water extracts from the head, middle and tail regions to determine distribution of the active principle along the body axis.

Kawakatsu, M. (1964) 10-12056 F
Annot.zool.Jap., 37(3):174-84
Studies on the taxonomy and morphology of the Japanese freshwater planarian, Polycelis schmidti (Zabusov)

Taxonomic history and ill. morphological description.

Ferguson, E.Jr. (1964)A 10-12057 F
Amer.Midl.Nat., 72(1):129-32
Freshwater ostracods from Florida with a description of Cypris floridensis n. sp.

Southwick, C.H., A.J. Reading & 10-12058 F
B.K. Sladen (1964)A
Amer.Midl.Nat., 72(1):133-41
Patterns of survivorship in laboratory populations of freshwater fairy shrimp, Eubranchipus vernalis (Verrill)

Wiser, C.W. & D.J. Nelson (1964) 10-12059 F
Amer.Midl.Nat., 72(1):181-202
Uptake and elimination of Cobalt-60 by crayfish

Information on extent of concentration of Cobalt-60 by crayfish, effect of different levels of concentration in water upon uptake, rates of accumulation and elimination, mode of accumulation, site of concentration of isotope and effect of organism size on accumulation.

Zuri, U. & A.M. Mayer (1964)A 10-12060 F
Nature,Lond., 201(4915):213
Lack of effect of polyvinyl alcohol on the growth and chlorophyll content of green algae

Ramchandran, V. (1963)A 10-12061 F
Proc.Indo-Pacif.Fish.Coun., 10(2):146-56
The method and technique of using anhydrous ammonia for aquatic weed control

Ramchandran, V. (1964)A 10-12062 F
Bull.Centr.Inl.Fish.Res.Inst., (2):13 p.
Report on the infestation of water hyacinth in Marikollong bheel (Nowgong, Assam), with recommendations for its eradication

Ramaprabhu, T. (1964)A 10-12063 F
Sci. & Cult., 30(4):200-1
On the occurrence of *Ceratophyllum submersum* L. in India

Singh, S.B. (1963) 10-12064 F
Proc.Indo-Pacif.Fish.Coun., 10(2):141-5
Preliminary experiments on the relative manurial values of some aquatic weeds as composts

Describes experiments on the composts derived from aquatic weeds, *Pistia*, *Ottelia*, *Hydrilla*, *Najas* & *Eichhornia*.
Pr 184me, NE 9-01220.

Duncan, C.J. (1964) 10-12065 F
Z.vergl.Physiol., 48(3):295-301
Rhythmic activity in an isolated penis preparation from the freshwater snail *Limnaea stagnalis*. De

The rhythmic activity of the isolated penial complex of the basommatophoran snail *L. stagnalis* was studied in order to compare it with results reported for the stylommatophoran *Helix aspersa*. The preparations suspended in saline were subjected to various pharmacological agents and the reactions recorded on a kymograph.

Kawai, A., Y. Yoshida & M. Kimata (1964)A 10-12066 F
Bull.Jap.Soc.sci.Fish., 30(1):55-62
(Biochemical studies on the bacteria in aquarium with circulating system. 1. Changes of the qualities of breeding water and bacterial population of the aquarium during fish cultivation). *Ni* En

Strittmatter, P. *et al.* (1963) 10-12067 F
Biochim.biophys.Acta, 78:562-3
The heme protein in ganglia of *Spisula solidissima*

Tsofina, L.M. & E.A. Liberman (1963) 10-12068 F
Biofizika, 8(6):738-41
(Study on the effect of Cl-substitution in solution on the mechanical response of single muscle fibres of river cray-fish). *Ru*

Tsikhon-Lukanina, E.A. (1961)B 10-12069 F
Biull.Inst.Biol.Vodokhr., (10):31-4
(The dependence of feeding and filtration rates in some freshwater gastropod molluscs on the concentration of food particles in the environment). *Ru*

Tsikhon-Lukanina, E.A. (1963) 10-12070 F
9022.56(NS 7)
The dependence of feeding and filtration rates in some freshwater gastropod molluscs on the concentration of food particles in the environment

En 10-12069.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Tsikhon-Lukanina, E.A. (1961)B 10-12071 F
Biull.Inst.Biol.Vodokhr., (10):28-30
(On the problem of the filtration feeding of *Bithynia tentaculata* L. and *Valvata piscinalis* Muller). *Ru*

Tsikhon-Lukanina, E.A. (1963) 10-12072 F
9022.56(NS 6)
On the problem of the filtration feeding of *Bithynia tentaculata* L. and *Valvata piscinalis* Muller

En 10-12071.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Prasad, B.N. (1962) 10-12073 F
J.Indian bot.Soc., 41(2):322-5
On some Cyanophyceae from India

BAgr. 27(2)9102.

Likens, G.E. (1964) 10-12074 F
Bull.Torry bot.Cl., 91(3):213-7
An unusual distribution of algae in an antarctic lake

BAgr. 28(8)68380.

Raspopov, I.M. & M.I. Rychkova (1963) 10-12075 F
Trud.Akad.Nauk latv.SSR Inst.Biol., 23:177-87
(Seasonal aspect of biomass of some groups of macrophytes in the Ladoga Lake). Ru

BAgr. 28(8)66395.

Drum, R.W. (1963) 10-12076 F
Proc.Iowa Acad.Sci., 70:74-9
Notes on Iowa diatoms. 5. Epilithic diatom biomass in the Des Moines River

BAgr. 28(11)99027.

Kuhnemann, O. (1963) 10-12077 F
Bol.Soc.argent.Bot., 10(2/3):196-9
(Cylindrocapsaceae, a family of Chlorophyceae new to Argentina). Es

BAgr. 28(11)99033.

Monteiro, M.I. (1963) 10-12078 F
Estud.Jta Invest.Ultramar., 106:113 p.
Segunda contribuição para o estudo das diatomaceas do Lago Niassa (Mocambique) (Second contribution to the study of the Diatomaceae of the Lake Nyasa (Mozambique). Pr

BAgr. 28(11)99038.

Shobe, W.R., E.F. Stoermer & J.D. Dodd (1963) 10-12079 F
Proc.Iowa Acad.Sci., 70:71-4
Notes on Iowa diatoms. 4. The diatoms in a northwest Iowa fen

BAgr. 28(11)99042.

Drazheva, L. (1963) 10-12080 F
Izv.biol.Inst.bulg.Akad.Nauk, 12:203-26
(Hygrophile and mesohygrophile vegetation on the river course of Palakariya). Bu

BAgr. 28(11)99751.

Hardy, E. (1963) 10-12081 F
Salm.Trout Mag., (167):64-9
The control of aquatic plants in fish waters - 1

Popular article. Spread of aquatic plants; some information on chemical control using Aquathol, Dalapon, 2, 4-D, etc.

Phillips, S.P. (1963) 10-12082 F
Proc.bot.Soc.Brit.Isl., 5(1):23-4
A note on the Charophytes of Hickling Broad, E. Norfolk

A collection made in 1960, compared with old records.

Karling, T.G. (1963) 10-12083 F
Ark.Zool., 15(2/3):105-11
On a species of the genus Multipeniata Nasonov (Turbellaria) from Burma

Plagiostomum birmanse Westblad 1956, from fresh water in Burma, is shown to belong to the genus Multipeniata Nasonov 1927, characterized by the existence of supernumerary male copulatory organs. The name of the species is thus changed to Multipeniata birmanse (Westblad).

Demian, E.S. (1963) 10-12084 F
Ark.Zool., 15(2/3):149-62
Anisus oasiensis n.sp. A new planorbid species from Egypt

A conchological and anatomical account is given of a new species, A. oasiensis. It is suggested that this new species might have developed from some race of A. natalensis that had to reach maturity at a smaller size than is normal for A. natalensis.

Pejler, B. (1963) 10-12085 F
Ark.Zool., 15(4):301-2
A glacial-marine relict in a lake on Gotland

L. Ramträsk and L. Brotträsk were visited by author on July 22, 1961 to investigate zooplankton and its environmental conditions. Bottom samples were taken from greatest depths encountered. Sample from L. Ramträsk (at a depth of ca. 11 m) was dominated by glacial-relict, amphipod Pontoporeia affinis Lindström.

Buianovskaia, A.A. (1963) 10-12086 F
Izv.Akad.Nauk SSSR(Biol.), (1):156-8
Soveshchanie po voprosu o roli sine-zelenykh vodoroslei vo vnutrennykh vodoemakh SSSR (Scientific conference on blue-green algae in internal reservoir of the USSR)

Saxena, P.N. (1962) 10-12087 F
Bull.natn.bot.Gdns Lucknow, 70:51 p.
Algae of India. 2. Vaucheriaceae

BAgr. 27(7)57310.

Kalbe, L. (1963) 10-12088 F
Øst.bot.Z., 110(5):489-97
(Contribution to the diatom flora of the waters of the Tatra mountains). De

BAgr. 27(8):67920.

Mokeeva, N.P. (1964) 10-12089 F
Trud.zool.Inst.Akad.Nauk SSSR, 32:92-105
(Algal flora of the River Oka). Ru

BAgr. 27(8)67923.

Bliding, C. (1963) 10-12090 F
Op.bot., 8(3):160 p.
A critical survey of European taxa in Ulvales 1. Capsosiphon, Percursaria, Blidingia, Enteromorpha

BAgr. 27(8)67917.

Tamas, G. (1963) 10-12091 F
Evk.Biol.Kutatointezet., 30:167-217
(Diatoms of the Lake Balaton, 1956-1961). De

BAgr. 28(11)99043.

Kessler, E. & F.C. Czygan 10-12092 F
(1963)
Experientia, 19(2):89-90
Seasonal changes in the nitrate-reducing activity of a green alga

Observed that, under constant experimental and growth conditions, Ankistrodesmus braunii appeared to have a lower nitrate-reducing capacity in late autumn and early winter than in the rest of the year. A series of quantitative determinations of activity in vivo of systems reducing nitrate and nitrite, carried out during two years, revealed existence of pronounced seasonal changes in enzymatic activity.

Snow, J.R. (1963) 10-12093 F
Progr.Fish Cult., 25(1):34-6
Simazine as an algicide for bass ponds

Describes use of simazine in eliminating Hydrodictyon reticulatum and Zygnema from bass spawning and rearing ponds.

Ramadan, F.M., H. Klimowicz & 10-12094 F
A.A. Swelim (1963)
Polsk.Arch.Hydrobiol., 11(24):97-108
The pollutional effect of industrial wastes on rotifers

A qualitative study on species on the rotifers of two agricultural drains outside Cairo, with bacteriological and chemical observations made simultaneously.

Efford, I.E. (1963) 10-12095 F
J.Anim.Ecol., 32(1):141-56
The parasitic ecology of some watermites

Describes relation between some mite larvae and their hosts and seasonal changes that occur in populations of both.
Co 62-05886.

Prasad, B.N. & P.N. Srivastava 10-12096 F
(1963)
Phycologia, 2(4):148-56
Observations on the morphology, cytology, and aesexual reproduction of Schizomeris leibleinii

McLachlan, J., U.T. Hammer & 10-12097 F
P.R. Gorham (1963)
Phycologia, 2(4):157-68
Observations on the growth and colony habits of ten strains of Aphanizomenon flos-aquae

Sarma, Y.S.R.K. (1963) 10-12098 F
Phycologia, 2(4):173-83
Contributions to the karyology of the Ulotrichales - 1. Ulothrix

Dillard, G.E., K.L. Weik & R.H. Mohlenbrock (1963) 10-12099 F
Amer.Midl.Nat., 69(1):127-35
Notes on the algal flora of Illinois

Lists several spp. of algae previously unreported or infrequently reported as occurring in Illinois. 153 spp., varieties and forms are enumerated of which 52 are new records for the State of Illinois. Incl. first report for the rhodophycean genus Lemanea in the state.

Pain, T. (1963) 10-12100 F
J.Conch., 25(4):152-5
Pila letourneuxi (Bourguignat), its synonymy and distribution

Stratton, L.W. (1963) 10-12101 F
J.Conch., 25(4):169-70
A synopsis of the British freshwater bivalve molluscs

Re 8-12245.

Chutter, F.M. (1963)A 10-12102 F
Hydrobiologia, 21(1/2):1-65
Hydrobiological studies on the Vaal River in the Vereeniging area. Part 1. Introduction, water chemistry and biological studies on the fauna of habitats other than muddy bottom sediments. De

Harrison, A.D., P.Keller & W.A. Lombard (1963)A 10-12103 F
Hydrobiologia, 21(1/2):66-89
Hydrobiological studies on the Vaal River in the Vereeniging area. Part 2. The chemistry, bacteriology and invertebrates of the bottom muds. De

Co 10-12102.

Irenée-Marie, Brother & D.K. Hilliard (1963)A 10-12104 F
Hydrobiologia, 21(2/1):90-124
Desmids from southcentral Alaska

Smirnov, N.N. (1963)A 10-12105 F
Hydrobiologia, 21(1/2):166-76
On inshore Cladocera of the Volga water reservoirs. Ru

Gonzalves, E.A. & B.S. Vaidya (1963)A 10-12106 F
Hydrobiologia, 21(1/2):188-92
On the larvicidal properties of charophytes

Olsson, T. (1963) 10-12107 F
Ark.Zool., 15(5):431-6
Biochemical evidences for structural changes in the sea urchin egg during the early post fertilization period

Demonstrates cyclic variations in the extractability of the acid-soluble nucleotides in the developing eggs of Echinus esculentus of Skagerrak during the caryogamic period.

Péterfi, L.S. (1963) 10-12108 F
Stud.Cercet.Biol.(veg.), 15(1):19-38
Genul Scenedesmus în unele lacuri din Podisul Hîrtibaciului
(The genus Scenedesmus in the lakes of the Hîrtibaciu plateau). Ro Fr Ru

Records 19 spp. new to the phycological flora of Roumania, and describes some n.spp. for science.

Oltean, M. (1963) 10-12109 F
Stud.Cercet.Biol.(veg.), 15(1):39-49
Observatii diatomologice in bazinul hidrografic al lacului Cîlcescu (masivul Parîng)
(Observations on the diatoms from the hydrographic basin of the lake Cîlcescu (mountains of Parîng)). Ro Fr Ru

List of spp. with brief taxonomic comments.

Gruia, L. (1963) 10-12110 F
Stud.Cercet.Biol.(veg.), 15(1):51-69
Cercetari asupra algei Hydrurus vaucherii C. AG.
(Research on the algae Hydrurus vaucherii C. AG.). Ro Fr Ru

Reports results of experiments on material collected in various water bodies of Roumania. Three morphological forms are recognised and described.

Berrie, A.D. & S.A. Visser 10-12111 F
(1963)
Physiol.Zoöl., 36(2):167-73
Investigations of a growth-inhibiting substance affecting a natural population of freshwater snails

Investigations on Biomphalaria sudanica. Strong evidence was obtained that the toxin was a mono-hydroxy-tri-carboxylic acid-mono-isodecyl-dimethyl ester with a molecular weight of 360 and the general formula $C_{18}H_{32}O_7$.

Golubić, S. (1963)A 10-12112 F
Int.Rev.Hydrobiol., 48(1):1-7
Hydrostatischer Druck, Licht und submerse Vegetation im Vrana-See
(Hydrostatic pressure, light and submerged vegetation in Lake Vrana)

Wawrik, F. (1963)A 10-12113 F
Int.Rev.Hydrobiol., 48(1):43-5
Thermenalgen von Agnano
(Algae from hot water springs at Agnano)

Brehm, V. (1963) 10-12114 F
Int.Rev.Hydrobiol., 48(1):159-72
Einige Bemerkungen zu vier indischen Entomostraken
(Some remarks on four Indian Entomostracae)

Heliodiaptomus viduus, Rhinediaptomus indicus, Moina ganapatii and Bosminopsis deitersi.

McMichael, D.F. (1964) 10-12115 F
Aust.nat.Hist., 14(12):384-90
Land and freshwater shells of Australia

Brief account of organisms comprising Australian freshwater bivalves and snails.

Higashi, S. (1964) 10-12116 F
Bull.Jap.Soc.sci.Fish., 30(7):564-9
(Electron microscope studies on spermatogenesis of the freshwater mussel, Hyriopsis schlegelii). Ni En

Ill. description of development.

Teshirogi. W. (1964) 10-12117 F
Zool.Mag.. Tokyo. 73:259-66
(The regenerative capacities of transverse sections from the freshwater planarian, Dendrocoelopsis lacteus). Ni En

Investigation of regenerative capacity at 6 body levels.

Sudzuki, M. (1964) 10-12118 F
Zool.Mag., Tokyo, 73(6):165-74
Zur biologischen Analyse der mikroskopischen Süsswassertierwelt geringster Wassermengen. 1. Die in ärophytischen Moospolstern lebende Mikrofauna und ihre Veränderung
(On the biological analysis of microscopic freshwater biota in small water bodies. 1. The microfauna living in aerophytic moss cushions and its variations). Ni De

Record of microfauna living between moss particles, study of variations in its composition, comparison with Antarctic moss fauna, and examination of its value as food for laboratory reared fish brood.

Sudzuki, M. (1964)A 10-12119 F
Zool.Mag., Tokyo, 73:245-50
Zur biologischen Analyse der mikroskopischen Süsswassertierwelt geringster Wassermengen. 2. Ein Entwurf zum theoretischen Faunenbild auf Grund der Umwandlung der Moosfaunenzusammensetzung
(On the biological analysis of microscopic freshwater biota of small bodies of water. 2. A plan for a theoretical faunal picture on the basis of changes in moss fauna composition). Ni De

Co 10-12118.

Adachi, R. (1963) 10-12120 F
J.Fac.Fish.Univ.Mie, 6(1):84-105
(On the environment and the growth of the Haematococcus lacustris Lostof. 1. Morphology and life history). Ni En

Ill. results of observation of form and division of cells, life cycle and life history.

Adachi, R. (1963) 10-12121 F
J.Fac.Fish.Univ.Mie, 6(1):48-56
(Studies on the culture of rotifer Lecane tenuiseta Harring. 1. Culture method and food). Ni En

Results of feeding experiments in artificial environments, one containing Haematococcus, Palmella, Euglena, Coelastrum & Chatoceros as natural foods, the other particles of clover or clover extract and liver extract as artificial foods.

Harder, W., A. Schief &
H. Uhlemann (1964) 10-12122 F
Z.vergl.Physiol., 48(3):302-31
Zur Funktion des elektrischen Organs von Gnathonemus petersii (Gthr. 1862) (Mormyriformes, Teleostei)
(On the function of the electric organ of Gnathonemus petersii (Gthr. 1862) (Mormyriformes, Teleostei)). De

The performance of the electric organ in the tail of Gnathonemus was studied. Pulse frequency changes induced in the electric organ by variation of temperature and conductivity of the aquarium water and the illumination of the tank were analysed, and the potential field surrounding the fish measured.

Brown, F.A.Jr. (1962) 10-12123 F
Biol.Bull., Woods Hole, 123(2):282-94
Response of the planarian, Dugesia, to very weak horizontal electrostatic fields

Describes experiments indicating perception of 2 volts/cm changes in electrostatic gradient. Direction of a gradient across the body is distinguished. The significance of the results is discussed.

Brown, F.A.Jr. (1962) 10-12124 F
Biol.Bull. Woods Hole, 123(2):264-81
Responses of the planarian, Dugesia, and the protozoan, Paramecium, to very weak horizontal magnetic fields

Presents results of experiments showing response by Dugesia to magnetic fields in the range 0.17 to 10 gauss, and modification of its orientation rhythms. Some evidence is given for responses in Paramecium.

Wood, R.D. (1963) 10-12125 F
Ecology, 44(2):416-9
Adapting scuba to aquatic plant ecology

Some ecological observations on bottom vegetation in lakes of Washington county, U.S.A.

Tischer, R.G. (1965) 10-12126 F
Nature,Lond., 205(4969):419-20
Pure culture of Anabaena flos-aquae A-37

Kevern, N.R. (1964) 10-12127 F
Science, 145(3639):1445-6
Strontium and calcium uptake by the green alga, Oocystis eremosphaeria

Broecker, W. (1964) 10-12128 F
Science, 143(3606):596-7
Radiocarbon dating: a case against the proposed link between river mollusks and soil humus

Barthelmes, D. (1964) 10-12129 F
Biol.Zbl., 83(4):431-7
Die profundale Tubificiden- Chironomus-plumosus- Gemeinschaft in Karpfenteichen und ihr besonderer Stabilisierungsmechanismus
(The profundal tubificidian- Chironomus-plumosus- community in carp-ponds and its specific stabilizing mechanism)

Moon, H.P. (1964) 10-12130 F
Nature,Lond., 203(4947):894
Occurrence of Asellus (Crustacea, Isopoda) in Esthwaite and Ullswater, English Lake District

Ashby, E.A. & J.L. Larimer
(1964) 10-12131 F
Physiol.Zoöl., 37(1):21-32
Cardiac responses of the crayfish, Procambarus simulans, to external and internal carbon dioxide stress

Telitchenko, M.M. & M.V. Gusev
(1965) 10-12132 F
Dokl.Akad.Nauk SSSR, 160(6):1424-6
O toksichnosti sinezelenykh vodoroslei
(On the toxicity of blue-green algae)

Morholt, E. (1963)C 10-12133 F
Thesis, Columbia University, 227 p.
The use of *Chlorella* to teach conceptual schemes and experimental approaches in biology: a resource unit to illustrate the use of an organism as a focus for the development of ideas central to a course of study

DA 15(1):45.

Birky, C.W. (1963)C 10-12134 F
Thesis, Indiana University, 114 p.
Studies on the physiology and genetics of the rotifer, *Asplanchna*

DA 15(1):704.

Engemann, J.G. (1963)C 10-12135 F
Thesis, Michigan State University, 159 p.
A comparison of the anatomy and natural history of *Colubotelson thomsoni* Nicholls, a south temperate, fresh-water isopod and *Asellus communis* Say, a north temperate, fresh-water isopod

DA 15(1):706.

Cooper, W.E. (1964)C 10-12136 F
Thesis, University of Michigan, 99 p.
Population dynamics, production and regulation of a natural population of a fresh-water amphipod, *Hyalella azteca*

DA 25(6):3756.

Rheinheimer, G. (1965?) 10-12137 F
Arch.Hydrobiol.Suppl., 29(3/4):181-251
Mikrobiologische Untersuchungen in der Elbe zwischen Schnackengurg und Cuxhaven
(Microbiological investigations in the river Elbe between Schnackenburg and Cuxhaven). En

Schwabe, G.H. & E.-M. Stange-Bursche (1964) 10-12138 F
Arch.Hydrobiol., 60(3):249-77
Über *Aphanizomenon gracile* Lemm.
(On the *Aphanizomenon gracile* Lemm.)

Hamm, A. (1964) 10-12139 F
Arch.Hydrobiol., 60(3):286-339
Untersuchungen Über die Ökologie und Variabilität von *Aspidisca costata* (Hypotricha) im Belebtschlamm
(Investigations on the ecology and morphological variation of *Aspidisca costata* living in activated sludge)

Young, J.O., I.G. Morris & T.B. Reynoldson (1964) 10-12140 F
Arch.Hydrobiol., 60(3):366-73
A serological study of *Asellus* in the diet of lake-dwelling triclads

Schulz, B. (1962)BC 10-12141 F
Neue Brehm Büch., (304):95 p.
Wasserlinsen
(The duck-weeds)

Illies, (1964) 10-12142 F
Arch.Hydrobiol., 60(3):384
Wasserlinsen
(The duck-weeds)

Re 10-12141.

Lauer, G.J. (1963)C 10-12143 F
Thesis, University of Washington, 206 p.
The bottom fauna of two saline lakes in the Grand Coulee, Washington

DA 24(11):4880.

Nicoll, C.S. & H.A. Bern (1964) 10-12144 F
Gen.comp.Endocr., 4:457-71
"Prolactin" and the pituitary glands of fishes

Examines occurrence of prolactin in the hypophysis of fishes. Analyses fresh-frozen or acetone-dried pituitary tissues from five teleostean spp. and three chondrichthyean spp. were assayed for prolactin content by the pigeon-crop local "micro" method.

Laderman, A. & H.N. Guttman (1963) 10-12145 F
J.exp.Zool., 152(1):5-9
Induction of sexuality by alteration of photoperiod in the rotifer Brachionus rubens

Gauthier, G.F. (1963) 10-12146 F
J.exp.Zool., 152(1):13-39
Cytological studies on the gastroderm of Hydra

Describes cytological and cytochemical characteristics of the gastroderm and its role in the uptake of lipids incl. E.M. data.

Landau, E. (1963) 10-12147 F
New Scient., 20(368):618-9
Growing pearl oysters in tanks

Kopecky, K. (1965) 10-12148 F
Arch.Hydrobiol., 61(2):137-60
Einfluss der Ufer-und Wassermakrophyten-Vegetation auf die Morphologie des Flussbettes einiger tschechoslowakischer Flüsse
(The influence of riverside and water makrophytes vegetation on the morphology of the riverbed of some Czechoslovakian streams). En

Scherer, E. (1965) 10-12149 F
Arch.Hydrobiol., 61(2):242-8
Zur Methodik experimenteller Fliesswasser-Ökologie
(A contribution to the methods of experimental ecology of running waters). En

Bishop, J.A. (1963) 10-12150 F
Aust.J.Mar.Freshw.Res., 14:218-37
The Australian freshwater crabs of the family Potamonidae (Crustacea: Decapoda)

Shkol'nik, R.Ia. et al. (1965) 10-12151 F
Dokl.Akad.Nauk SSSR, 161(5):1231-4
Promezhutochnye produkty fotosinteza kul'tury Chlorella pyrenoidosa na razlichnykh ee razvitiia
(Intermediate photosynthesis products of a synchronous culture of Chlorella pyrenoidosa at different development stages)

Harrod, J.J. (1964) 10-12152 F
J.Anim.Ecol., 33(2):335-41
The distribution of invertebrates on submerged aquatic plants in a chalk stream

A field study in a stream in England, concerning mostly small Crustacea and Insecta (nymphs, larvae etc.).

Keleti, J. & M. Rusinko (1965) 10-12153 F
Biológia, 20(3):157-64
Studium des Überlebens von Clostridium perfringens Stämmen aus der Donau
(The study on survival of Clostridium perfringens populations)

Cook, B.B., E.W. Lau & B.M. Bailey (1963) 10-12154 F
J.Nutr., 81(1):23-30
The protein quality of waste-grown green algae. 1. Quality of protein in mixtures of algae, nonfat powdered milk, and cereals

Jónasson, P.M. (1963) 10-12155 F
Oikos, 14(2):121-37
The growth of Plumatella repens and P. fungosa (Bryozoa Ectoprocta)

Gingras, G., R.A. Goldsby & M. Calvin (1963) 10-12156 F
Arch.Biochem., 100(1/2/3):178-84
Carbon dioxide metabolism in hydrogen-adapted Scenedesmus

Carlson, C.A. Jr. (1963)C 10-12157 F
Thesis, Iowa State University of Science and Technology, 208 p.
Bottom fauna of the Mississippi River near Keokuk, Iowa, with particular reference to possible control of Ephemeroptera and Trichoptera

DA 24(10):4320.

Edmunds, L.N. Jr. (1964) 10-12158 F
Science, 145(3629):266-8
Replication of DNA and cell division in synchronously dividing cultures of Euglena gracilis

Lighthart, B. (1963) 10-12159 F
Limnol.& Oceanogr., 8(3):349-51
Sulfate-reducing bacteria in San Vicente Reservoir, San Diego County, California

A study to determine whether most of the hydrogen sulfate accumulated in the hypolimnion of high sulfate content (250-350 mg/liter) was due to sulfate-reducing bacteria and to follow the succession of events leading to the quantities of hydrogen sulfide found in early Spring.

Brown, S. & B. Colman (1963) 10-12160 F
Limnol. & Oceanogr., 8(3):352-3
Oscillaxanthin in lake sediments

Recent examinations of the sedimentary deposits of Mackay Lake, Ottawa, Canada, revealed the presence of a xanthophyll mixed with, but chromatographically distinct from, myxoxanthophyll.

Sorokin, C. & R.W. Krauss (1965) 10-12161 F
Amer.J.Bot., 52(4):331-9
The dependence of cell division in Chlorella on temperature and light intensity

Bertrand, H. (1963) 10-12162 F
Bull.Inst.franç.Afr.noire(A), 25(2):389-466
Contribution à l'étude des premiers états des Coléoptères aquatiques de la région éthiopienne. (5e note. Familles: Haliplidae, Dytiscidae, Gyrinidae (Hydrocanthares))
(Contribution to the study of the first stages of the aquatic Coleoptera of the Ethiopian region. 5th note. Families: Haliplidae, Dytiscidae, Gyrinidae (Hydrocanthares))

Co 8-08166.

Vladimirova, M.G. (1961) 10-12163 F
Mikrobiologiia, 30:431-5
Dinamika razvitiia bakterial'noi mikroflory pri kul'tivirovanii khlorelly
(Developmental dynamics of the bacterial microflora in cultivation of Chlorella).
En

Gavrilov, G.B. (1961) 10-12164 F
Zh.obshch.Biol., 22:233-40
O formirovanii donnoi fauny iskusstvennykh vodokhranilishch i o nekotorykh voprosakh evolutsionnoi teorii, sviazannykh s etim protsessom
(Formation of the bottom fauna of artificial reservoirs and certain aspects of evolutionary theory related to this process). En

Davydova, N.N. (1961) 10-12165 F
Bot.Zh., 46:722-6
K kharakteristike diatomovykh vodoroslei donnykh otlozhenii Ladozhskogo ozera
(Materials for a description of the diatoms of bottom deposits in Lake Ladoga)

Ioffe, Ts.I. (1961) 10-12166 F
In 10-11015
Formirovanie donnoi fauny vodokhranilishch SSSR i opyt klassifikatsii
(Formation of bottom fauna of USSR reservoirs and an attempt at its classification)

Sinclair, R.M. (1964)C 10-12167 F
Nashville, Tennessee, Department of Public Health, 14 p.
Water quality requirements of the family Elmidae (Coleoptera) (with keys to the larvae and adults of the eastern genera)

Studies on riffle beetles disproving the opinion that they are generally "clean-water" group in the benthic community.

Beliavskaia, L.I. (1960) 10-12168 F
Trud.saratov.Otd.vses.nauchno-issled.Inst.ozer.rech.ryb.Khoz., 6:232-8
Sostav i raspredelenie zoobentosa Volgi na uchastke Kuibyshev-Stalingrad
(The composition and distribution of zoobenthos in the Volga between Kuibyshev and Stalingrad)

Beliavskaia, L.I. & A.S. Konstantinov (1960) 10-12169 F
Trud.saratov.Otd.vses.nauchno-issled.Inst.ozer.rech.ryb.Khoz., 6:239-45
Prognoz razvitiia bentosa v Stalingradskom vodokhranilishche v pervye gody ego sushchestvovaniia
(A forecast of the development of benthos in the Stalingrad reservoir during the first years of its existence)

Awakura, T. (1964) 10-12170 F
Sci.Rep.Hokkaido Fish Hatch., (19):1-16
(On the parasitic glochidium of the freshwater pearl mussel, Marguritifera marguritifera (L.) on salmonid fish). Ni
En

Note on ecology of the Glochidia and some physiological effects of this parasite on fish.

Aliev, D.G. (1961) 10-12171 F
Izv.Akad.Nauk azerb.SSR(biol.i med.), 5:23-9
Materialy k flore vodoroslei mineral'nykh istochnikov Kel'badzharskogo Istisu Azerbaidzhanskoi SSR
(Materials on the algal flora of mineral spring at Kel'badzharskii Istisu in Azerbaidzhan). Az

Aleshina, E.S. (1961) 10-12172 F
Vest.mosk.gos.Univ.(Biol.), 4:62-5
Poluchenie bakteriologicheski chistykh kul'tur zelenykh zhgutikovykh galofil'nykh vodoroslei
(Production of bacteriologically pure cultures of halophilic green flagellate algae)

Barashkov, G.K. (1961) 10-12173 F
Bot.Zh., 46:1825-34
Khimiia zelenykh vodoroslei (Chlorophyta)
(The chemistry of the green algae (Chlorophyta)). En

Campbell, R.D. (1965) 10-12174 F
Science, 148(3674):1231-2
Cell proliferation in Hydra: an autoradiographic approach

Shows that cell proliferation is distributed along the body column and that there is no localized growth zone.

Chekanovskaia, O.V. (1962) 10-12175 F
Opred.Faune SSSR, (78):411 p.
Vodnye maloshchetnikovye chervi fauny SSSR
(Water bristle worms of the USSR fauna)

A systematic list of families, genera and spp. of Oligochaeta, with ill. and detailed descriptions.

Rao, K.P. (1963) 10-12176 F
Proc.Indian Acad.Sci.(B), 57(5):297-9
Physiology of low temperature acclimation in tropical poikilotherms. 2. Interferometric analysis of the protein content of blood cells in the freshwater mussel, Lamellidens marginalis, and the earthworm, Lampito mauritii

Found greater protein accumulation accompanied reduction in free blood amino acids in 'cold' (19 degrees C) acclimated mussels.
Co 10-12228.

Pankratz, H.S. & C.C. Bowen (1963) 10-12177 F
Amer.J.Bot., 50(4):387-99
Cytology of blue-green algae. 1. The cells of Symploca muscorum

The cellular morphology of Symploca muscorum is described, based upon electron micrographs utilizing improved techniques of specimen preparation.

Hardy, E. (1963) 10-12178 F
Salm.Trout Mag., (168):121-8
The control of aquatic plants in fish waters. 2

Discusses uses of chemicals in weed control.
Co 10-12081.

Patterson, G.W. (1964)C 10-12179 F
Thesis, University of Maryland, 56 p.
Comparative studies of sterols in Chlorella

DA 25(8)4373.

Sprague, J.B. (1963) 10-12180 F
J.Fish.Res.Bd Can., 20(2):387-415
Resistance of four freshwater crustaceans to lethal high temperature and low oxygen

Suggests lethal concentration for 50% of individuals, over a 24 hour period, should be adopted as criterion of resistence. Lethal temperature and oxygen values were ascertained for three amphipod species and an isopod, with and without acclimatisation to different temperatures. The effects of weight, sex, and season on lethal levels were investigated.

Peek, C.A. (1963)C 10-12181 F
Thesis, Oregon State University,
The humic water of Klamath Marsh and its effect on the growth of Anabaena cylindrica Lemm. in culture

DA 24(8)3073.

Fox, I. & G. Alemán (1963) 10-12182 F
Bull.World Hlth Org., 28(4):531-2
Inactivation of Bayer 73 by free chlorine

Results of experiments with Australorbis glabratus indicating that chlorine reduces the molluscicidal activity of Bayer 73.

Bell, L.N. & G.L. Merinova (1964) 10-12183 F
Dokl.Akad.Nauk SSSR, 157(5):1221-4
Fotoenergetika khlorelly pri okolokompensatsionnykh intensivnostiakh sveta
(Photoenergetics of Chlorella grown under light intensities approaching compensatory ones)

Hassall, K.A. (1963) 10-12184 F
Physiol.Plant., 16(2):323-32
Uptake of copper and its physiological effects on Chlorella vulgaris

The physiological effects of copper, the amounts applied and sorbed, and the effect of different environmental conditions during the period of application, have been studied.

Osborne, P.J. & A.T. Miller Jr. (1963) 10-12185 F
Biol.Bull.,Woods Hole, 124(3):285-92
Acid and alkaline phosphatase changes associated with feeding, starvation and regeneration in planarian

Cytochemical and histological studies using Dugesia tigrina. Records sequential appearances of phosphatases and discusses their significance.

Macan, T.T. (1965) 10-12186 F
Arch.Hydrobiol., 61(3):273-310
The fauna in the vegetation of a moorland fishpond

Harrison, A.D. (1965) 10-12187 F
Arch.Hydrobiol., 61(3):387-94
Geographical distribution of riverine invertebrates in southern Africa

Weber, E. (1964) 10-12188 F
Arch.Hydrobiol.Suppl., 27(4):381-5
Süsswasserpolychaeten in der Österreichischen Donau
(Fresh water Polychaeta in the Austrian Danube). En

Wiedeman, V.E. (1964)C 10-12189 F
Thesis, The University of Texas, 187 p.
Some aspects of algal ecology in a waste-stabilization pond system

DA 25(9)4933.

Schaedle, M. & L. Jacobson (1965) 10-12190 F
Plant Physiol., 40(2):214-20
Ion absorption and retention by Chlorella pyrenoidosa. 1. Absorption of potassium

Shrift, A. & M. Sproul (1963) 10-12191 F
Biocim.biophys.Acta, 71(2):332-44
Nature of the stable adaptation induced by selenomethionine in Chlorella vulgaris

Szlauer, L. (1963) 10-12192 F
Schweiz.Z.Hydrol., 25(1):56-64
Diurnal migrations of minute invertebrates inhabiting the zone of submerged hydrophytes in a lake

Tesch, F.W. & G. Fries (1963) 10-12193 F
Fischwirt, 13(11):319-26
Die Auswirkungen des eingebürgerten Flohkrebses (Gammarus tigrinus) auf Fischbestand und Fischerei in der Weser
(The effects of the naturalized crayfish (Gammarus tigrinus) on the fishstock and fishery in the Weser river)

Reynoldson, T.B. & J.O. Young (1963) 10-12194 F
J.Anim.Ecol.. 32(2):175-91
The food of four species of lake-dwelling triclads

The food of four lake-dwelling triclads was determined by examination of the gut of field-affected specimens and by laboratory experiments. Polycelis nigra; P. tennis; Dugesia lugubris; Dendrocoelum lacteum.

Sládeček, V. (1963) 10-12195 F
Sborn.vys.Sk.chem.-technol.,Praha, 7(2):543-612
A guide to limnosaprobical organisms. Cs
Ru

On 30 plates a selection of 830 limnosaprobical organisms was put in order, i.e. 64 bacteria, 434 aquatic plants and 332 aquatic animals.

Javornický, P. & V. Prokešová (1963)A 10-12196 F
Int.Rev.Hydrobiol., 48(2):335-50
The influence of protozoa and bacteria upon the oxidation of organic substances in water

Davis, C.C. (1963) 10-12197 F
Int.Rev.Hydrobiol., 48(2):351-5
A study of the hatching process in aquatic invertebrates. 6. The three-fold hatching of Limnesia hexagona Lundblad (Acari, Hydrachnellae, Limnesiidae)

Studies conducted on material from El Salvador; this species has previously been reported only from Paraguay and Surinam.

Boyd, W.L. & J.W. Boyd (1963)A 10-12198 F
Ecology, 44(4):705-16
A bacteriological study of an Arctic coastal lake

Penn, G.H. & J.F. Fitzpatrick Jr. (1963)A 10-12199 F
Ecology, 44(4):793-7
Interspecific competition between two sympatric species of dwarf crawfishes

Coineau, N. (1963) 10-12200 F
Vie et Milieu, 14(1):107-22
Étude sur les Amphipodes 2. Salentinella petiti n. sp.
(Study of the amphipodes 2. Salentinella petiti n. sp.)

Description of species and key to identification.

Lafon, C. & P. Alause (1963)A 10-12201 F
Vie et Milieu. 14(1):143-8
Recherches sur les Theodoxus fluviatilis L. (Gastéropodes - Prosobranches) du Bas-Languedoc: écologie et variations morphologiques
(Research on the Theodoxus fluviatilis L. (Gasteropoda - Prosobranchia) of Bas-Languedoc: ecology and morphological variations)

Jacquemart, S. & Y. Coineau (1963) 10-12202 F
Vie et Milieu, 14(1):155-68
Un Trichoptére modificateur principal du milieu, Stenophylax stellatus Curtis
(A trichoptera main modifier of the environment, Stenophylax stellatus Curtis)

Description of larva, nympha and adult.

Shugarman, P.M. & D. Appleman (1965) 10-12203 F
Plant Physiol., 40(1):81-4
Natural variations in the physiological characteristics of growing Chlorella cultures

Aliev, A.D. (1961) 10-12204 F
Izv.Akad.Nauk azerb.SSR (biol.i med.), 2:67-71
Presnovodnye molliuski pravoberezhnykh vodoemov Kurinskoi nizmennosti
(Freshwater molluscs of the reservoirs on the right bank area of the Kura lowland).
Az

Pinevich, V.V. & N.N. Verzlikin (1961) 10-12205 F
Dokl.Akad.Nauk SSSR, 137:1230-2
Vliianie gidrazida maleinivoi kisloty na nekotorye protokokkovye vodorosli
(Influence of maleic acid hydrazide on certain Protococcaceae)

Kasymov. A.G. & G.B. Babaev (1961) 10-12206 F
Dokl.Akad.Nauk azerbaidzh.SSR, 17:147-50
Donnaia fauna nizhnego b'efa Minechaurskogo vodokhranilishcha
(Bottom fauna of the lower part of the Mingechaur Reservoir). Az Ru

Sokol'skaia. N.L. (1961) 10-12207 F
Biull.mosk.Obshch.Ispyt.Prir.(biol.), 66:54-68
Materialy po faune presnovodnykh maloshchetinkovykh chervei Kamchatki
(Data on the freshwater Oligochaetae of Kamçhatka). En

Serenkov, G.P. & M.V. Pakhomova (1961) 10-12208 F
Vest.mosk.gos.Univ.(Biol.), 40-4
Izuchenie nukleinovykh kislot svetovoi i temnovoi kul'tur Scenedesmus quadricauda
(Study of nucleinic acids of light and dark cultures of Scenedesmus quadricauda)

Pinevich, V.V., N.N. Verzlikin & Iu.I. Maslov (1961) 10-12209 F
Vest.leningr.gos.Univ.(Biol.), 92:16-25
Vliianie razlichnykh istochnikov azota na rost i nakoplenie massy u Chlorella pyrenoidosa
(Influence of various nitrogen sources on growth and mass accumulation in Chlorella pyrenoidosa). En

Razumov, A.S. (1961) 10-12210 F
Mikrobiologiia, 30:512-24
Mikrobial'nye pokazateli saprobnosti vodoemov, zagriaznennykh promyshlennymi stochnymi vodami. Soobshch. 1. Nitchatye bakterii iz roda Cladothrix (metodika, morfologiia i otnoshenie k fizicheskim faktoram sredy)
(Microbial indices of the saprobic content of reservoirs contaminated by industrial sewage. Comm. 1. Filamentous bacteria of the genus Cladothrix: methods, morphology and relation to physical environmental factors). En

Rogovskaia, Ts.I. & M.F. Lazareva (1961) 10-12211 F
Mikrobiologiia, 30:525-9
Intensifikatsiia protsessov biokhimicheskoi ochistki promyshlennykh stochnykh vod. Soobshch. 2. Mikrobiologicheskaia kharakteristika aktivnykh ilov, ochishaiushchikh serovodorodosoderzhashchie stochnye vody
(Intensification of the processes of biochemical purification of industrial sewage. Comm. 2. Microbiological characteristics of active ooze purifying waste water containing hydrogen sulphide). En

Skadovskii, S.N. (1961)C 10-12212 F
In 10-11137
Gidrobiologicheskie issledovaniia dna r. Moskvy v raione Rubleva
(Hydrobiological investigations on the bed of the River Moskva near Rublev)

Skadovskii, S.N. (1961)C 10-12213 F
In 10-11137
Mikrotsenozy sestona i donnykh otlozhenii reki
(Microcoenoses of seston and river bottom deposits)

Skadovskii, S.N. (1961)C 10-12214 F
In 10-11137
Nabliudeniia za razvitiem biotsenozov obrastanii i nakopleniem v nikh organicheskogo veshchestva na "kovshe" - otstoinike Rublevskoi vodonasosnoi stantsii
(Observations of the development of fouling biocoenoses and accumulation of organic matter in them in the sedimentation tank at the Rublev pumping station)

Skadovskii, S.N. et al. (1961)C 10-12215 F
In 10-11137
Eksperimental'nye issledovaniia nakopleniia obrastanii na reshetkakh v usloviiakh opytnoi ustanovki Rublevskoi vodonasosnoi stantsii
(Experimental investigations of the accumulation of fouling on grids in an experimental installation at the Rublev pumping station)

Skadovskii, S.N. et al. (1961)C 10-12216 F
In 10-11137
Ispytanie deistviia modeli biopoglotitelia na uluchshenie kachestva vody
(Trials of the improving effect of a biological absorbing agent on the quality of water)

Briukhatova, A.L. (1961)C 10-12217 F
In 10-11137
Vliianie zaileniia grunta i okislitel'no-vosstanovitel'nykh uslovii na sostav mikrobentosa r. Desny
(The effect of bottom silting and oxidation-reduction conditions on the composition of microbenthos in the River Desna)

Deksbakh, N.K. (1961)C 10-12218 F
In 10-11137
Bentos i rastitel'nye plenki sistemy r. Moskvy v raione Rubleva v 1940 godu
(Benthos and plant films in the system of the River Moskva near Rublev in 1940)

Epshtein, I.M. (1961)C 10-12219 F
In 10-11137
O primenenii poliarograficheskogo metoda pri izuchenii kislorodnogo sloia v peschanykh gruntakh reki
(Use of polarographic method when investigating the oxygenated layer of sandy river beds)

Lastochkin, D.A. (1961)C 10-12221 F
In 10-11137
Zoobentos r. Moskvy i Rublevskogo vodokhranilishcha
(The zoobenthos of the River Moskva and the Rublev reservoir)

Kaftannikova, O.G. (1961)C 10-12220 F
In 10-11137
Intensivnost' fotosinteza obrastanii i mikrofitobentosa r. Moskvy
(Rate of photosynthesis of fouling and microphyto-benthos in the River Moskva)

Messineva, M.A. (1961)C 10-12222 F
In 10-11137
Mikrobiologicheskaia kharakteristika gruntov r. Moskvy v 1944-1945 gg
(A microbiological description of the bottom deposits of the River Moskva in 1944-1945)

Ivanov, E.A. & I.V. Aleksandrova 10-12223 F
(1963)B
Usp.sovrem.Biol., 56(1):90-7
(Automatic control of algae culture). Ru

Ivanov, E.A. & I.V. Aleksandrova 10-12224 F
(1964)C
OTS FTD-TT-64-247
Automatic control of algae culture

En 10-12223.
Available from U.S. Department of Commerce, Washington D.C.

Kajak, Z. (1963) 10-12225 FG
Ekol.polsk.(A), 11(1):1-56
Analysis of quantitative benthic methods

Gives information how large samples and series should be taken in concrete field situations, to obtain maximal credibility and maximal effectiveness; concerns field work in lakes.

Wilson, F. (1964) 10-12226 FG
Annu.Rev.Ent., 9:225-44
The biological control of weeds

Review of literature ref. to February 1963, with ref. to aquatic weeds.

Petropulos, S.F. (1964) 10-12227 FG
Science, 145(3629):268-70
Automatic sampling device for study of synchronized cultures of microorganisms

Rao, K.P. (1963) 10-12228 FG
Proc.Indian Acad.Sci.(B), 57(5):290-6
Physiology of low temperature acclimation in tropical poikilotherms. 1. Ionic changes in the blood of the freshwater mussel, Lamellidens marginalis, and the earthworm, Lampito mauritii

Measured chloride, amino acids, potassium, sodium and calcium in blood drawn from Lamellidens hearts. The material originated from a stream near Tiraputi, and was kept at either 29 degrees or 19 degrees C before analysis.

Reeve, M.R. (1964) 10-12229 G
J.Cons., 28(3):385-92
A simple torsion microbalance for weighing small animals

Details of construction are described. The microbalance makes use of a tungsten wire as the torsion fibre, and has a high degree of accuracy.

FISHING

ANON. (1962) 10-12230 M
Rev.Trav.Inst.Pêch.marit., 26(4):468-71
Statistiques des régions de pêche 1961
(Statistics of the fishery regions 1961)

Catch statistics by species of the north east and west Atlantic, Barents and White Seas.

Peres, J.M. (1962) 10-12231 M
Bull.Sea Fish.Res.Sta.,Haifa, (30):39-47
Sur une collection d'ascidies de la côte israelienne de la Mer Rouge et de la peninsule du Sinai
(A collection of ascidians from the coast of Israel of the Red Sea and from the Sinai peninsula)

Issued also as: Contr.Knowl.Red.Sea, (24).

Ben-Tuvia, A. (1962) 10-12232 M
Fish.Bull.,Haifa, 4(3/4):5-10
(Fisheries resources of the Red Sea). Iw
En

Gives total catch data for the various Red Sea countries compiled from data for different years and heterogenous sources. Outlines the types of fishery involved.

Alverson D.L. (1964) 10-12233 M
Fish.News int., 3(2):105-12
Developing latent resources of the oceans

Surveys exploratory fishing and fisheries resources in the north eastern Pacific Ocean.

Larssen, K. (1964) 10-12234 M
Fish.News int., 3(2):128-31
Fishing off the west coast of India

Stresses the dependence of catches on oceanographical conditions.

Allen, E.W. (1964) 10-12235 M
Fish.News int., 3(2):132-4
Freedom of the seas - further opinions

Remarks on fishing interests and exploitation of international and coastal waters.
Re 10-12236.

Konda, S. (1963) 10-12236 M
Fish.News int., 2(4):442-7
Dialectical evolution of freedom of the sea

Greif, R.L. & J.A. Alfano (1964) 10-12237 M
Gen.comp.Endocr., 4:339-42
Thyroid hormone induced swelling of isolated dogfish liver mitochondria

Hovart, P. & W. Vyncke (1964) 10-12238 M
Fish.News int., 3(2):117-25
Handling and processing Norway lobsters

Studies catching, handling and processing of Nephrops norvegicus taken by Belgian fishing vessels.

Murray, E. (1962) 10-12239 M
Rep.Mar.biol.Sta.Pt Erin, (74):33-43
Observations on methods of killing lobsters

Japan. Fisheries Agency (1964) 10-12240 M
Tokyo, 42 p.
Information of fishing boat laboratory

Ill. facilities, lists staff, describes programs and briefly reviews recent results of this laboratory of the Japanese fisheries agency. Incl. Dept. of Acoustics working on detection and research on fish by echo-sounding, underwater TV and cameras, and underwater sound.

Ward, M.W. (1964) 10-12241 M
Tabl.Econ.soc.Géogr., 55(5):113-22
Malayan fishing ports and their inland connections

A detailed study on the fishing industry of Malaya.

Forster, G.R. (1964) 10-12242 M
J.Mar.biol.Ass.U.K., 44:277-84
Line-fishing on the continental slope

Percier, A. (1963) 10-12243 M
France Pêche, (71):39-45
Les engins de pêche... Le chalut: Conception du filet
(Fishing gear... The trawl: The conception of the net)

Short description of the evolution that lead to the development of the Mediterranean and Atlantic trawls.

I.S.T.P.M. (1963) 10-12244 M
Sci.et Pêche, (111):8 p.
Pêche, conchyliculture, technologie des produits de la mer
(Fisheries, mollusk culture, technology of sea products)

Results of survey of trawling grounds and pelagic fishery resources of the Atlantic and Mediterranean, and of oyster and mussel culture.

Yoshihara, T. (1963) 10-12245 M
J.Tokyo Univ.Fish., 50(1):19-29
(On the life table of fishing vessels in Japan). Ni En

Age distribution of fishing vessels derived from statistics of fishing vessels destroyed by accident; calculation of survival, mortality rates etc.

Dredge, A.C.L. (1964) 10-12246 M
Fish.Newslett.Aust., 23(8):11, 15
S.A.'s record tuna season - facilities taxed

Note on the importance of accurate catch prediction for the provision of adequate processing facilities; and note on the establishment of a fishing industry for aborigines along the Arnhem Land coast.

Koyama, T. et al. (1964) 10-12247 M
Bull.Tokai Fish.Res.Lab., (38):125-34
(Model experiments for designing a large-sized trawl net). Ni En

Results of experiments carried out under various combinations of towing conditions to observe configuration and tension of the net.

Koyama, T. et al. (1964) 10-12248 M
Bull.Tokai Fish.Res.Lab., (38):135-8
(Relation between drift of salmon fishing net and diffusion of a turbid solution).
Ni En

Experiments to examine feasibility of using a turbid solution for drift net fishing for salmon, based on greater catch potential of net in turbid water, and environmental preference of some fish.

Temple, A. (1964) 10-12249 M
Fish.Newslett.Aust., 23(7):17
Collapsible cray or crab pot - to be tested here

Constructional details of Japanese pot and likely advantages over Australian type.

ANON. (1964) 10-12250 M
Fish.Newslett.Aust., 23(7):29, 31
"Silent" whistle and electronic-caller lure fish

Brief note on development of the device from a study of sounds made by marine organisms.

ANON. (1964) 10-12251 M
Fish.Newslett.Aust., 23(7):23-6
Building an oyster cleansing plant

Description of plant and its operation accompanied by detailed drawings.

ANON. (1964) 10-12252 M
Fish.Newslett.Aust., 23(7):19
Gulf prawn survey trawler's haul

Brief note on progress to date.

ANON. (1964) 10-12253 M
Fish.Newslett.Aust., 23(10):19, 21
Sydney-designed Caroline class fishing boat prototype for N.Z. fleet of 20

Ill. and construction details; also information regarding the designer.

ANON. (1964) 10-12254 M
Fish.Newslett.Aust., 23(10):27
Production abalones in hatcheries

Note on attempt to establish shellfish culture laboratory in California and possible application of methods to Australian fishery. Brief note on status of Mexican fishery, Australia's main competitor.

ANON. (1964) 10-12255 M
Fish.Newslett.Aust., 23(9):5
Marine products exports record (Australian pounds)8.26 m.

Brief note on export of crayfish, prawns, scallops and abalone.

ANON. (1964) 10-12256 M
Fish.Newslett.Aust., 23(8):5, 19, 21
Scallop catch is rising

Brief history of the fishery and note on prospects for development of overseas market.

ANON. (1964) 10-12257 M
Fish.Newslett.Aust., 23(9):13
Latest development in pearl culture - new live shell carrier

Brief constructional description of vessel.

ANON. (1964) 10-12258 M
Fish.Newslett.Aust., 23(9):21
Stern trawling advantages

Reviews 3 books published by Fishing News (Books)Ltd., London, two of which deal with methods of trawling.

ANON. (1964) 10-12259 M
Fish.Newslett.Aust., 23(8):24-6
Stern trawling fashionable

Note on development of stern trawling and its advantages; description of gear and method of operation.

ANON. (1964) 10-12260 M
Fish.Newslett.Aust., 23(5):17, 19
Navy and CSIRO co-operate to aid fisheries

Aims of the oceanographic and survey cruises of H.M.A.S. GASCOYNE and DIAMANTINA, and details of work being undertaken.

Mitsugi, S. (1964) 10-12261 M
Bull.Tokai Fish.Res.Lab., (38):139-43
(Laboratory experiments on the maximum distance allowing a salmon drift net visible in turbid water). Ni En

Experiments carried out with nets of different colour subjected to different degrees of turbidity resulting in drawing of an empirical formula for relation between maximum distance of underwater visibility and relative turbidity.

Helin, R.A. (1964) 10-12262 M
Geogr.rev., 54:386-408
Soviet fishing in the Barents Sea and the North Atlantic

With maps and diagrs.

ANON. (1964) 10-12263 M
S.Afr.Shipp.News Fish.Ind.Rev., 19(2):71-3
Unusual Portuguese vessel calls at Cape for fish

GIL EANNES, mother ship of the Portuguese cod-fishing fleet.

von Brandt, A. (1963) 10-12264 M
World Fish., 12(1):46-8
The future rôle of the midwater trawl

Nakagome, J. & S. Suzuki (1964) 10-12265 M
Bull.Jap.Soc.sci.Fish., 30(3):234-8
(Monthly and annual variation of catch rate shown in the "self-navigation fishing vessel type" mothership tuna fisheries).
Ni En

Study of catch variations, during 10 day periods and annually, of the mothership unit, member, and land-based fishing vessels, leading to conclusion that these variations are due to seasonal and annual variation in the abundance of fish stocks.

Sasano, Y. & M. Ota (1964) 10-12266 M
Bull.Jap.Soc.sci.Fish., 30(5):424-9
(Studies on utilization of enzyme from whale pancreas. 1. Proteolytic enzyme).
Ni En

Eydal, A. (1963) 10-12267 M
Thesis, Univ. of Washington, 130 p.
Some geographical aspects of the fisheries of Iceland

DA 24(3):1133.

ANON. (n.d.1964) 10-12268
56 p.
Bericht über die Fischerei der Kapverdischen Inseln. Gegenwärtiger Stand und Möglichkeiten eines Ausbaus
(Report on the fisheries of the Cape Verde Islands. Present status and possibilities of development)

ANON. (n.d.1964) 10-12269
22 p.
Anhan zum Bericht über die Fischerei der Kapverdischen Inseln: 12. Erfahrungen anderer Nationen in der Fischerei im mittlere und südlichen Atlantik
(Supplement to the report on the fisheries in the Cape Verde Islands: 12. Experiences of other nations in the fisheries of the central and southern Atlantic)

CR 10-12268.

British Trawlers' Federation 10-12270 M
(1961)BC
Fleetwood, 48 p.
Fishing in distant waters: the British
Fishing industry, 1961

State of the industry, future considerations. Incl. background information on Arctic fisheries.

Platon, C.G. (1962) 10-12271 M
Philippine Law J., 37:774-83
Contiguous zones for fishing purposes

Andreev, M.N. (1963)B 10-12272 M
Ryb.Khoz., (5):27-36
(On the selection of methods of catching and searching for fish by fishing vessels with a bottom trawl (an experiment in the application of the theory of Games)). Ru

Andreev, M.N. (1963) 10-12273 M
9022.56(NS 22)
On the selection of methods of catching and searching for fish by fishing vessels with a bottom trawl (an experiment in the application of the theory of Games)

En 10-12272.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Shentyakov, V.A. (1963) 10-12274 M
9022.56(NS 12)
The influence of the length of the electric line on the catching ability of the electrified trawl

En 8-08269.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Qureshi, M.R. (1963) 10-12275 M
Occ.Pap.Indo-Pacif.Fish.Coun., 63(3):3 p.
Progress of mechanization of fishing boats in West Pakistan

Rao, C.N. & V.S. Devara (1963) 10-12276 M
Occ.Pap.Indo-Pacif.Fish.Coun., 63(4):14 p.
Mechanisation of fishing in Andhra Pradesh

Nédélec, C. (1963) 10-12277 M
France Pêche, (69):33-6
Un chalut pélagique à un seul bateau pour la pêche industrielle
(A pelagic trawl for industrial fishing with a single boat)

Report of fishing experiments with the THALASSA in 1962, in the Gulf of Maine and Newfoundland areas. Describes the gear used, fishing operation and results.

ANON. (1963) 10-12278 M
World Fish., 12(2):35
No unexploited grounds left in N. Atlantic. 200-ship increased fishing effort in six years

ANON. (1963) 10-12279 M
World Fish., 12(2):53
Wide-angle sonar transducer for purse seiners

Pinkerton, K. (1963) 10-12280 M
Hunting Grp Rev., (1):21-3
Whale spotting

Describes how aircraft can be used in the search for whales.

USFWS. Department of the 10-12281 M
Interior (1963)
Ann.Summ.U.S.Bur.comm.Fish., (3122):10 p.
Pacific coast fisheries - 1961

Garner, J. (1963) 10-12282 M
World Fish., 12(4):44-6
Too much fuss about headline height?

Ashton, R. (1963) 10-12283 M
World Fish., 12(4):40-1
Shrimp potential in Persian Gulf

Garcia, M.G. (1963) 10-12284 M
Bol.Pesca,Lisboa, 15(78):75-8
Peixes utilizados na indústria bacalhoeira
(Fishes utilized by the cod industry). Pr

List, with comments, of spp. (Gadidae, Galeus galeus) utilized by Spanish industries to prepare salted products similar to salted cod.

Cordini, J.M. (1963)C 10-12285 M
Buenos Aires, Dirección General de Pesca, 46 p.
Pesca marítima con base en Rawson (Chubut)
(Marine fisheries in Rawson (Chubut)

Describes the port, fleet, fishing gear, industries, future development, and contains statistics of production, demand and recommendations for biological research and improvement of the industry.

Canada. Dominion Bureau of Statistics (1963) 10-12286 M
Fish.Statist.Can.,N.Scotia, 1961:47 p.

Yearly landings (quantities and values) by species, region, type of craft and gear; inventory and operations of equipment; employment, processing, trade, bounties paid.
In French and English.

IHB (1963) 10-12287 M
Int.hydrogr.Bull., (2):28-53

Contains notes on activities of the Bureau and information on: charts, sailing directions, lights, tides and currents, work carried out and projected, new charts and new editions of charts.
In English and French.

Kimsey, J.B. (1963) 10-12288 M
Circ.U.S.Fish Wildl.Serv., (161):10-12
Shrimp fishery program

Kutkuhn, J.H. (1963) 10-12289 M
Circ.U.S.Fish Wildl.Serv., (161):38
Industrial fishery program

Roithmayr, C.M. (1963) 10-12290 M
Circ.U.S.Fish Wildl.Serv., (161):39-41
Industrial bottomfish fishery in the north central Gulf of Mexico

Ragan, J.G. (1963) 10-12291 M
Circ.U.S.Fish Wildl.Serv., (161):42-4
Western Gulf bottomfish survey

Weerakoon, A.C.J. (1963) 10-12292 M
Fish.News Lett.Ceylon, (3):2-4
Ceylon fisheries

Percier, A. (1963) 10-12293 M
France Pêche, (72):45-8
Les engins de pêche. L'ouverture du chalut
(Fishing gear. The opening of the trawl)

Articles in a series of short descriptions of apparatus and instruments.

ANON. (1963) 10-12294 M
Simrad Echo, (5):2-3
Another world "first" for Simrad. Fr Es

Describes fully-automatic sonar set for fishing vessels.

ANON. (1963) 10-12295 M
Simrad Echo, (5):8-9
Focus on Peru and Chile

Briefly reviews development of sea fisheries.

Norway. Committee for Whaling Statistics (Ed.)(1963) 10-12296 M
Int.Whal.Statist., (49):82 p.

Comprises the world aggregate whaling results for 1961, catch in Antarctic during season 1960-61 and outside Antarctic during calendar year 1961.
Co 8-01275.

Cordini, J.M. (n.d.)C 10-12297 M
Argentina, Dirección General de Pesca y Conservación de la Fauna, 165 p.
La pesca en el Mar Argentino. Primera parte - Pesca costera
(The fisheries of the Argentine Sea. Part one - coastal fisheries)

Describes and illustrates vessels, gear and methods used for each species or group in each area; gives short statistics and details of seasons, places of fishing; administration and fishing zones outlined; bibliography.

Kuthalingam, M.D.K., P. Mazumdar & S.K. Chatterjee (1963) 10-12298 M
J.Mar.biol.Ass.India, 5(1):150-1
On an experimental fishing at "Swatch of no grounds" in the Bay of Bengal

Brief report of trawling operation.

Imamura, Y. & S. Takeuchi (1963) 10-12299 M
J.Tokyo Univ.Fish., 49(1):41-51
Study on the fishing in the twilight hours

Experiments carried out several times daily in Tateyama Bay to determine relation between fish catch and changes in underwater light intensity.

ANON. (1964) 10-12300 M
Fish.Newslett.Aust., 23(11):21
Tasmanian 78-footer

Ill. and construction details of boat built to carry out fishing for shark, crayfish and barracouta.

Kumasawa, N. (1963) 10-12301 M
J.Tokyo Univ.Fish., 49(1):1-24
Theoretical study on the motion of long-line gear in water. 1. Shape of the main line under constant steady current

Mathematical approach employing Newton's law followed by vector equation of motion; analysis of solution and comparison with experimental results; solution in case where one end of cord is set free; analysis of similarity conditions.

Jangaard, P.M., R.D. Burgher & R.G. Ackman (1963) 10-12302 M
J.Fish.Res.Bd Can., 20(1):245-7
A preliminary investigation of the blubber oil from the Atlantic bottlenose whale

Hyperoodon ampullatus.

Bollen, A.G. (1965) 10-12303 M
Fish.Newslett.Aust., 24(2):11
Commercial fishing economics

Summary of paper presented at Fisheries Management Seminar which discussed economics of fishing with reference to labour, capital and management.

ANON. (1965) 10-12304 M
Fish.Newslett.Aust., 24(2):24-5
New electronic shrimping system from U.S.A.

Describes construction, operation and safety measures of electronic gear developed to permit harvesting of shrimps burrowed in mud and sand bottoms.

ANON. (1965) 10-12305 M
Fish.Newslett.Aust., 24(2):29
New lobster trap

Describes new dome-shaped plastic trap.

ANON. (1965) 10-12306 M
Fish.Newslett.Aust., 24(2):31
Sonar development

Note on development of sonar set for long range fish-spotting and close contract, and a sonar set to meet new purse seine requirements.

ANON. (1965) 10-12307 M
Fish.Newslett.Aust., 24(3):7
Tuna search off to good start

Brief note on sightings made by searching aircraft in first week of tuna survey being carried out off the east coast of Tasmania.

Hughes, W.D. (1965) 10-12308 M
Fish.Newslett.Aust., 24(3):19, 21
Keeping catch alive - holding wells in crayboats

Note on popularity of wells as against circulating tanks, and notes on construction.

ANON. (1965) 10-12309 M
Fish.Newslett.Aust., 24(3):9
New Zealand demonstrations - seining and midwater trawling highlights

Note on demonstrations of the use of purse seine, monofilament gill net, trammel net, mid-water trawl and tuna and snapper long-line carried out at Tauranga, N.Z.

Devambez, L. (1965) 10-12310 M
S.Pacif.Bull., 15(1):36
Fisheries development on French Polynesia

Brief report on new storage facilities, marketing procedures and fishing methods; also pearl culture trials.

ANON. (1965) 10-12311 M
Fish.Newslett.Aust., 24(1):17
Australia - fisheries resources

Map ill. distribution of Australian fishery resources.

ANON. (1965) 10-12312 M
Fish.Newslett.Aust., 24(1):29, 31
Gear and methods - use of synthetics major development

Note on current trends in fishing gear, deck equipment and boat building.

Butcher, A.D. (1964) 10-12313 M
Fish.Newslett.Aust., 24(12):21
Management of fishing operations

Summary of paper presented at Fisheries Management Seminar which discusses objectives of management and ways of achieving them.

Henmi, T. (1964) 10-12314 M
Mem.Fac.Fish.Kagoshima, 13(1964):93-103
(On the relation between the"horizontal tuna-long-line form" and the spot foretelling of the fishing condition in the Celebes Sea). Ni En

Determination of horizontal tuna-long-line form, and classification of forms into 3 kinds according to catch rate. Line shift is observed for each type thus establishing relation between line form and catch rate.

ANON. (1964) 10-12315 M
Norsk Hvalfangst-tid., 53(12):325-31
Fangstmateriell i Antarktis i sesongen 1964-65
Whaling ships in activity in the Antarctic, season 1964-65. No

Reed, W.M. (1962) 10-12316 M
Sudan Notes, 43:15 p.
A study of marine fisheries in the Sudan

Županović, Š. (1965) 10-12317 M
Morsk Ribarst., 17(1-2):2-9
Atlantski ribolov
(Atlantic fishery). Hr

Distribution of pelagic and demersal fishes off the western coasts of Africa, fishing grounds, and statistical data are discussed.

Županović, Š. (1965) 10-12318 M
Morsk.Ribarst., 17(3-4):42-8
Atlantski ribolov. 2
(Atlantic fishery. 2). Hr

Tuna fisheries in the central Atlantic Ocean and catches of demersal fishes on fishing grounds off Mauretania and Senegal are discussed.
Co 10-12317.

Brandhorst, W. (1963)C 10-12319 M
Valparaíso, Bundesauslandshilfe fuer
Entwicklungslaender, 151 p.
Der Stand der chilenischen Fischerei und
die weiteren Aussichten fuer ihre Entwicklung
(The status of the Chilean fisheries and
prospects for their further development)

Deals with: Total production, zonal production, fishes of commercial importance, structure of fisheries, fishery of anchovy, cod and sardine and other important species.

Blestkina, V.V. (1963)B 10-12320 M
Ryb.Khoz., 39(8):44-7
(On the influence of the bottom on the
hydrodynamic coefficients of otter boards).
Ru

Blestkina, V.V. (C.A. McLean, 10-12321 M
Transl.)(1965)A
Lowestoft, Fisheries Laboratory, 4 p., mimeo
On the influence of the bottom on the
hydrodynamic coefficients of otter boards

En 10-12320.

Alekseev, N.I. (1964)B 10-12322 M
Ryb.Khoz., 40(1):56-8
(Determination from nature of the hydro-
dynamic characteristics of warp rope). Ru

Alekseev, N.I. (C.A. McLean, 10-12323 M
Transl.)(1965)A
Lowestoft, Fisheries Laboratory, 3 p., mimeo
Determination from nature of the hydro-
dynamic characteristics of warp rope

En 10-12322.

Castriotis, B.D. (1963) 10-12324 M
Alieia, 16(191):487
Greek fishing production and prices

Galazidis, M.E. (1963) 10-12325 M
Alieia, 16(191):489
Greek deep sea fishing and the EEC

Arcoulis, E.G. (1963) 10-12326 M
Alieia, 16(191):491
The future problem No. 1 of the European
fisheries. Japanese competition

Ananiadis, C.I. (1963) 10-12327 M
Alieia, 16(191):493-9
The effects of the trawl fishing on the stocks
of different commercial species in Greek
waters

Castriotis, D.B. (1963) 10-12328 M
Alieia, 16(191):501
Development of the Greek fishing fleet

Komarow, N.A. (1963) 10-12329 M
Alieia, 16(191):503-5
Sponge collecting aqua-lungs versus heavy
diving suit

ANON. (1963) 10-12330 M
Alieia, 16(191):507-8
The Greek sponge fishing industry

Castriotis, B. (Ed.)(1963) 10-12331 M
Alieia, 16(191):435-510

Contains section on fishing (monthly review of the Greek sea resources) giving statistics and information on production, vessels services, technical assistance etc.
Contains 10-12324 to 10-12330.

Lima. Universidad Agraria, 10-12332 M
Facultad de Zootecnia (1963)
173 p.
El desarrollo de la pesquería en el Perú
(The development of fisheries in Peru)

Incl. discussion, list of participants, texts of opening and closing address.
Do 62-010me.
Includes 10-10141, 10-10569, 10-12392.

Morgans, J.F.C. (1964) 10-12333 M
Fish.Publ.,Lond., (21)
Preliminary survey of bottom fishing on the
North Kenya Banks

Endo, S. (1964) 10-12334 M
Fishery Policy Ser.,Tokyo, (3):56 p.
(Medium trawler). Ni

Shindo, S. (1964) 10-12335 M
Wld Fishg Ser.,Tokyo, (2):36 p.
(Sea fisheries in Communist China). Ni

Tyler, J.E. (1964) 10-12336 M
Spec.sci.Rep.Fla Bd Conserv.Mar.Lab.,(9):14 p.
Preliminary exploratory fishing on the
Florida west coast

Describes the gear used, methods of sampling, lists fishes and crabs caught.

ICNAF (1964)C 10-12337 M
Canada, Dartmouth, 109 p.
List of vessels over 50 gross tons fishing
in the ICNAF convention area in 1962

Name of each fishing vessel, the date built, fishing gear used, gross tonnage, length, registered number, home port, kind of engine and fuel, power and propellor characteristics, number in crew, subareas fished and type of radio and other electronic gear. Incl. data submitted for the year 1962 by each of the 13 member countries.

Ethiopia. Department of Marine 10-12338 M
Fisheries Division (1962)
Fish.Inform.Leafl.,Massawa, (2):5 p.
Marine fisheries in the area of Massawa
1954 Eth.cal., in figures

Refers to years 1961 and 1962. Lists nos. of registered craft of various types; fishermen; landings (quantity and value) of fish spp. groups; Exports of fresh fish, shrimps and squids and marine products; Scientific and common names of spp; statistics of catches by type of fishing method.

ANON. (1961) 10-12339 M
Ryb.Prom.litov.SSR, 1(3):43-4
Kitoboinaia baza
(The whale factory ship)

Bochkarev, A. (1961) 10-12340 M
Ryb.Prom.litov.SSR, 1(3):3-12
Novye suda dlia rybnoi promyshlennosti
(New ships for the fishing industry)

ANON. (1961) 10-12341 M
Ryb.Prom.litov.SSR, 1(3):26-7
Pribor dlia kontrolia gorizonta khoda
raznoglubinnogo trala
(An instrument for trawl depth control)

ANON. (1961) 10-12342 M
Ryb.Prom.litov.SSR, 1(3):25-6
Pribor dlia kontrolia napolneniia trala
ryboi
(A fish-load checking instrument for
trawlers)

Ukhov, G.I. (1961)C 10-12343 M
Moscow, Rybnoe Khoz-vo., 24 p.
Rybnaia promyshlennost' Islandii
(The Icelandic fishing industry)

Maslov, N.A. (1961) 10-12344 M
Nauch.tekh.Biull.vsesoiuz.nauch.-issled.Inst.
ozer.rech.ryb.Khoz., 1(15):39-44
Izmeneniia v geograficheskom razmeshchenii
promysla i ozhidaemyi effekt regulirovaniia.
(Dolozheno na 48-i sessii Mezhdunarodnogo
Soveta po izucheniiu moria. Sentiabr', 1960g,
Moskva)
(Changes in the location of industry and the
probable effect of regulation. Presented at
48th Session of International Council for the
Exploration of the Sea, Moscow, September 1960)

Hogben, N. (1963) 10-12345 M
Mar.Obs., 33(201):130-40
Sea state studies at the ship hydrodynamics
laboratory, Feltham

Describes some investigations carried out as part of a programme of sea state studies initiated at Feltham to furnish the oceanographic knowledge needed for model testing in waves.

FAO (1965) 10-12346 M
FAO Fish.Rep., (21):30 p.
Report of the fourth session. Continuing working party on fishery statistics in the North Atlantic area. Rome, 9-12 March 1965

Fuss, C.M. Jr. (1963) 10-12347 M
Pesca y Marina, 15(3):4-7
Las redes camaroneras en el Golfo de México (Shrimp nets in the Gulf of Mexico)

Description of nets.

ANON. (1963) 10-12348 M
Pesca y Marina, 15(3):8-9
La pesca mundial
(World fisheries)

Brief notes on recent fishing developments in various countries.

Enomoto, Y. (1964) 10-12349 M
Bull.Jap.Soc.sci.Fish., 30(3):221-6
Studies on the food base in the Yellow and the East China Seas. 6. On the efficiency of the fish catch to the solar radiation energy

Calculation of energy efficiency of the fish catch to the solar radiation energy in the area and comparison with values for Georges Bank and Tokyo Bay.
Co 10-11809.

Suzuki, O. (1964) 10-12350 M
Bull.Jap.Soc.sci.Fish., 30(1):21-8
Behaviour of sweep line in Danish seining. 2

Discussion of the behaviour of sweep line in which the line and warps are originally laid quadrilaterally.
Co 9-09295.

Suzuki, O. (1964) 10-12351 M
Bull.Jap.Soc.sci.Fish., 30(1):29-36
Behaviour of sweep line in Danish seining. 3

Discussion of the case in which the sweep line and warps are originally laid triangularly, assuming resistance of the net to be constant during towing.
Co 10-12350.

McLeese, D.W. & D.G. Wilder (1964) 10-12352 M
Bull.Fish.Res.Bd Can., (147):70 p.
Lobster storage and shipment

Contains also the description of the life history and the East Canadian fishery of *Homarus americanus*.

ANON. (1963) 10-12353 M
World Fish., 12(5):42-3
Can Peru maintain its rate of fishing growth?

A general survey of the fishing industry.

Higo, N. (1964) 10-12354 M
Mem.Fac.Fish.Kagoshima, 13(1964):78-92
(Studies on the drag net. 1. An increase of the current velocity inside the net).
Ni En

Experiments carried out in laboratory tank of circulating water with 4 types of drag net models, current measurements being taken in and around the nets and observations being made on the shape of the nets *in situ* in the stream-lines.

FAO/UN (1964) 10-12355 M
Rep.FAO/EPTA, (1836):57 p.
Rapport au governement de la Tunisie sur la prospection systématique des fonds de pêche au large des côtes tunisiennes, basé sur les travaux du Dr. Vito Foderá, expert des pêches de la FAO/PEAT
(Report to the government of Tunisia on the systematic prospecting of the fishing grounds off the Tunisian coasts, based on the work of Dr. Vito Fodera, FAO/EPTA fishery expert)

Davidson, A. (1963) 10-12356 M
Tunis, British Chamber of Commerce, 137 p. (mimeo)
Seafish of Tunisia and the central Mediterranean

FAO/UN (1960) 10-12357 M
Rep.FAO/EPTA, (1283):57 p.
Rapport au gouvernement de la Tunisie sur la pêche en Tunisie, par M.F. Bourgeois, technologiste des pêches
(Report to the government of Tunisia on the fishery in Tunisia by M.F. Bourgeois, fishery technologist)

Moe, M.A. Jr. (1963) 10-12358 M
Prof.Pap.Ser.Fla Bd Conserv.Mar.Lab., (4):117 p.
A survey of offshore fishing in Florida

Generalized survey to provide valuable background information for future research and to report the present development of the offshore fisheries of each coastal county.

Margolin, A.B. (1961) 10-12359 M
Izv.Akad.Nauk SSSR(geogr.), (3):37-46
Osnovnye problemy razvitiia narodnogo khoziaistva Dal'nego Vostoka. V chastnosti, o roste sovetskogo rybolovstva na Tikhom okeane
(Basic problems in the development of the economy of the Far East, with particular reference to the growth of the Soviet fishing industry in the Pacific)

USFWS. Bureau of Commercial Fisheries (1962) 10-12360 MF
Comm.Fish.Outl., October-December 1962:4 p.

Brief summary statistics for spp and products, quarterly predictions, market information.

Richards, C.E. (1962) 10-12361 MF
Chesapeake Sci., 3(4):223-35
A survey of salt-water sport fishing in Virginia 1955-1960

The survey was conducted in a 1500 mile area within the Virginia portion of Chesapeake Bay and its tributaries to gain general knowledge of the fishery and its relation to commercial landings.

Angelescu, V., A. Nani & R. Oliver (1962)C 10-12362 MF
UN, E/CONF.39/C/294, mimeo, 10 p.
El problema pesquero en la economía nacional y alimentaria situación y esperiencia en la republica Argentina
(The problem of fisheries in relation to the national economy and the national food program)

Es 8-09288.

Mahdihassan, S. (1962) 10-12363 MF
Curr.Aff.Bull.Indo-Pacif.Fish.Coun., (35):12-4
Salvaged proteins for Pakistan

Frisbie, C.M. & D.E. Ritchie,Jr. (1964) 10-12364 MF
Chesapeake Sci., 4(4):175-91
Sport fishing survey of the lower Potomac estuary, 1959-1961

Kiener, A. et al. (1964) 10-12365 MF
Bois For.Trop., 94:56-70
La pêche dans la lagune d'Ampahana (Madagascar)
(Fishing in the Ampahana lagoon in Madagascar)

Detailed information on the salinity and chemical composition of various parts of the lagoon. Number of fish species are listed and a description is presented of the fishing methods. Tilapia melanopleura, T. macrochir, and T. mossambica have been introduced.
TA August 1964.

Shetty, H.P.C. (1963) 10-12366 MF
Surv.Rep.Cent.Inl.Fish.Res.Inst.,Barrackpore, (2):24 p.
A preliminary fishery survey of the Vembanad backwaters, Kerala

A rapid survey was carried out in March 1959 in order to obtain a general idea of its fisheries resources and to identify the problems requiring investigation.

Chidambaram, K. (1963) 10-12367 MF
Occ.Pap.Indo-Pacif.Fish.Coun., 63(10):9 p.
Fishery co-operatives of Gujarat with particular reference to their fish-marketing activities

Park, Y.J. (1963) 10-12368 MF
Bull.Pusan Fish.Coll., 5(1):11-3
(The difference of measured values acquired by measuring diameter of netting twine with diverse instrument). Ni En

Tables show various kinds of values calculated from many measurements; relation between the nearest value and exact value, mean error and others.

von Brandt. A. (1963) 10-12369 MF
Arch.Fisch Wiss., 13(3):141-54
Die Leistung von Netzkonservierungs - verfahren unter subtropischen und tropischen Bedingungen
(The performance of net preservation treatments under tropical and subtropical conditions). En

Compares results of 9 treatment types in tests with cotton nets at Cuxhaven, Alexandria, the Malabar coast, and Dagat-Dagatan (Philippines).

ANON. (1964) 10-12370 MF
Fish.Newslett.Aust., 23(10):31
Airlift pump for fish

Note, with diagram, of operation of newly developed device to transfer fish from one level to a higher one.

Shetty, H.P.C. (1963) 10-12371 MF
Indian Livestock, 1(4):28-31
Exploiting the Mahanadi estuary

Account is given of the existing fishery resources of the Mahanadi estuarine system in Orissa, the extent of present exploitation and the methods of disposal and marketing of the catches.

Edwards, C.R. (1962) 10-12372 MF
Thesis, Univ. of California, Berkeley, 423 p.
Aboriginal water-craft of western South America: distribution, history and problems of origin

DA 24(3):1133.

Sysoev, N.P. (1962)BC 10-12373 MF
22 p.
Rybnaia promyshlennost' v sisteme narodnogo khoziaistva SSSR
(Fish industry in the national economy of USSR)

Van Cleve, R. & R.W. Johnson (1963) 10-12374 MF
Univ.Wash.Publ.Fish., 2(2):63 p.
Management of the high seas fisheries of the northeastern Pacific

Daniszewski, A. (1963) 10-12375 MF
Gosp.Rybna, 15:3-4
Zadania gospodarki rybnej na 1963 rok
(Tasks of fisheries economy for the year 1963). Pl

Reyez Meza, A. (1962) 10-12376 MF
Economía Fin., 7-10, diciembre 1962
La industria pesquera chilena
(Fish industry in Chile).

Ali, S.M. (1963) 10-12377 MF
Pakist.Rev., 11:41-3
The development of Pakistan's fishing industry.

Lebedev, V.D. (1963) 10-12378 MF
9029.56(NS 27)
The effect of the fishing industry on the characteristics of fish

En V.D. Lebedev, 1961.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

FAO/WHO/IAEA (1963) 10-12379 MF
Rome, mimeo, 17 p.
International training course on surveys for radionuclides in foods, Cincinnati, Ohio, 17 September to 26 October, 1962

Do 61-331me.

Lima, J. (1963) 10-12380 MF
Industr.pesq..Vigo, 37(858):22-3
Desarrollo actual de las pesquerías
(Ecuador - present development of the fisheries)

General characteristics of the fisheries and description of tuna, shrimp, spiny lobster, mixed and freshwater fisheries.

Johnston, J.A.A. (1963) 10-12381 MF
Progr.Fish Cult., 25(1):45
A simple boat brake for use with electric fishing techniques

Describes apparatus.

Canada. Dominion Bureau of Statistics (1963) 10-12382 MF
Fish.Statist.Can.,New Brunswick, 1961:37 p.

Yearly landings (quantities and values) by species, region, type of craft and gear; inventory and operations of equipment; employment, processing, trade, bounties paid. In English and French.

Canada. Dominion Bureau of Statistics (1963) 10-12383 MF
Fish.Statist.Can.-Quebec, 1961:57 p.

Yearly landings (quantities and values) by species, region, type of craft and gear; inventory and operations of equipment; employment, processing, trade, bounties paid. In English and French.

ECLA (UN). Secretariat (1963)C 10-12384 MF
E/CN.12/670/Add.4, 53 p.
Los recursos naturales en America Latina, su conocimiento actual e investigaciones necesarias en este campo. 4. Los recursos pesqueros
(The natural resources of Latin America, present knowledge of them and the investigations necessary in this field. 4. Fisheries resources)

A summary of knowledge, with account of present status of fisheries and suggestions for development and orientation of fisheries research in the field of resource and stock assessment. Prepared by U. Angelescu, F. Gneri & J. d'Alarçao for the ECLA Secretariat. Ad 10-10209, 10-11161.
Paper contributed to Economic Commission for Latin America, 10th session, May 1963, Mar del Plata, Argentina.

ANON. (1962) 10-12385 MF
Norweg.Fish.marit.News, 9(4):18-22
Norwegian Decca Chain system: Importance of Decca system to Norwegian fisheries and marine research

Discusses the advantages of a Decca Chain system to Norwegian fisheries and marine research.

Leyendekkers, J.V. (1965) 10-12386 MF
Fish.Newslett.Aust., 24(3):15, 17
Gulf prawn survey

Traces the progress of the survey for prawns being carried out in the Gulf of Carpentaria, and details some results so far achieved.

Tampi, P.R.S. (1963) 10-12387 MF
Indian Livestk, 1 (4):20-2
Saline lagoons; a neglected source of fish

FAO (1964) 10-12388 MF
Bull.Fish.Statist., (5):35 p.
Summaries: Catches and landings
Résumés: Quantités pêchées et débarquées
Resúmenes: Capturas y desembarques

Tabulates world catch by continents, by countries arranged by regions, by countries arranged in order of 1962 catch; catches and landings of aquatic animals and plants by divisions, groups and spp.; and finally world catch by major fishing areas.

FAO (1965) 10-12389 MF
Bull.Fish.Statist., (6):62 p.
Catches in the North Atlantic
Quantités pêchées dans l'Atlantique nord
Capturas en el Atlántico septentrional

Tabulates catches by fishing areas and by years, 1958-1963; by fishing areas by countries 1963; and by fishing areas by species, 1963.

Hanson, W.D. (1963) 10-12390 MF
Progr.Fish Cult., 25(2):87
An economical safety switch for electrofishing

Describes switch for boat mounted electric shocker which provides for more safety.

Carufel, L.H. (1963) 10-12391 MF
Progr.Fish Cult., 25(2):106
A fishery utility anchor

An economical utility anchor for fishery workers and sport fishermen made from scrap iron.

Pardo, R.L. (1963) 10-12392 MF
In 10-12332:1-6
Desarrollo de la industria pesquera
(The development of the fishery industry)

California. Department of Fish and Game. Inland Fisheries Branch (1963) 10-12393 MF
Inl.Fish.adm.Rep.,Calif., 63-5:26 p.
California trout, salmon, and warmwater fish production and costs, 1961-62

Ninth fiscal year fish hatchery production and cost report.

Kerr, A.A. (1965) 10-12394 MF
FAO Fish.Circ., (19):61 p.
The fisheries of West Africa, 1960. A preliminary survey

Statistics and comments on marine and inland fisheries, fish trade, comsumption and catch disposition.

FAO (1965) 10-12395 MF
Yb.Fish.Statist.FAO, 17:pag.var.
Yearbook of fishery statistics. Fishery commodities 1963
Annuaire statistique des pêches. Produits des pêches 1963
Anuario estadístico de pesca. Productos pesqueros 1963

Tabulates disposition of landings, production of fisheries commodities, fresh, chilled or frozen marine products, imports and exports, conversion factors, statistical notes.

Sakiura, H. et al. (1964) 10-12396 MF
Wld Fishg Ser.,Tokyo, (4):80 p.
(The fishing industry of the U.S.S.R.). Ni

FAO (1964) 10-12397 MF
Yb.Fish.Statist.FAO, 16:pag.var.
Catches and landings 1963. Yearbook of fishery statistics
Quantités pêchées et débarquées 1963. Annuaire statistique des pêches
Capturas y desembarques 1963. Anuario estadístico de pesca

Tabulates annual catches and landings 1954-9 by countries, regions, special groups; glossaries, conversion factors, statistical notes.

Shatoba, O.E. (1961) 10-12398 MF
Nauch.tekh.Biull.vsesoiuz.nauch.-issled.Inst. ozer.rech.ryb.Khoz., 1(15):61-4
O registratsii rybnykh skoplenii samopistsem i elektronnym otmetchikom gidroakusticheskikh priborov
(Recording concentrations of fishes with an automatic recorder and the electronic marker of an hydroacoustic instrument)

Taylor, R.M. (1962) 10-12399 MF
In 10-10221:162-4
A note on economic aspects of management programme

Discussion of the notion that the economic well-being of an industry should influence decisions on management measures to be employed.

Kesteven, G.L. (1962) 10-12400 MF
In 10-10221:2-24
Analysis of the condition of a fishery

Discusses the meaning of the term "condition of a fishery", and the ascertainment of facts to determine such condition with especial reference to the phases through which fisheries pass, and describes a series of technological, economic and biological indicators of condition. Methods of analysis are discussed.

Setter, C.G. (1962) 10-12401 MF
In 10-10221:25-9
Economic aspects of the condition of a fishery

Discusses aspects of the productivity of fishing operations and the efficiency of secondary and tertiary sectors.

Lynch, D.D. (1962) 10-12402 MF
In 10-10221:81-95
Determination of ends to be served by control measures

Lists 8 policy objectives and 5 operational objectives which might be in view in designing various types of regulations to control fishing operations.

Francois, D.D. (1962) 10-12403 MF
In 10-10221:99-102
Management practices determined by research versus management practices dictated by fishermen

Discusses evidence on the exploitation of a littoral fish population by commercial fishermen in the light of representations by amateur fishermen that commercial fishing should be restrained.

St. Leger, L.A. (1962) 10-12404 MF
In 10-10221:103-9
Some notes on fisheries management in Tasmania

Reviews the regulations introduced from time to time in Tasmania and discusses the aims and objectives of these regulations.

Fraser, A.J. (1962) 10-12405 MF
In 10-10221:122-35
Regulation and control of fisheries

Discusses the ethics of fishery control and the types of control measures that may be adopted with special reference to Australian situations.

Gates, D.J. (1962) 10-12406 MF
In 10-10221:158-61
A note on fisheries management

Discussion of the desirability of limiting the number of licences issued for the exploitation of a stock.

Gulland, J.A. (1962) 10-12407 MF
In 10-10221:153-7
Types of fishery regulation

Discusses the relative value and effectiveness of various types of regulation.

ANON. (1964) 10-12408 F
Fish.News int., 3(2):113-6
Production drive in Hungary

Discusses past, present, and plans for future fish production in inland waters.

Soulsby, J.J. (1963) 10-12409 F
Rhod.agric.J., 60(5):135-8
Fishing survey at Kariba

Discusses mesh restriction and its effect on imbalanced cropping. Constant removal of bigger fish may lead to a stunted population. Advocates that mesh restriction should be abolished and fishermen encouraged to use a whole range of mesh sizes which will result in a catch from all age groups.
TA March 1964.

Steinberg, R. (1963) 10-12410 F
Arch.FischWiss., 12(3):173-230
Die Fängigket von Kiemennetzen für Barsch und Plötze in Abhängigkeit von den Eigenschaften des Netzmaterials, der Netzkonstruktion und der Reaktion der Fische (Catch propensity of gill nets for pearch and roach, in relation to properties of net-fabric, and construction, and to the reactions of the fish). En

Trials in various North German lakes supplemented by laboratory experiments. Visibility was found to be essential factor. Data are given on swimming performance: strength was not sufficient to affect catches.

Coulter, G.W. (1963) 10-12411 F
World Fish., 12(12):46-7
Lamp fishing on Lake Tanganyika

Pelagic sardines and nile perch are fished.

Tripathi, Y.R. & 10-12412 F
K.N. Krishnamurty (1964)A
Proc.nat.Acad.Sci.India (B), 34(2):87-99
Experimental fishing at the Mettur Dam, Cauvery River

Minnesota. Division of Game 10-12413 F
and Fish (1963)
St.Paul, 101 p.
Minnesota lakes: an index and guide

Turdakov, F.A. (1963)BC 10-12414 F
Frunze, Izd-vo Akademii Nauk Kirgizskoi SSR, 282 p.
Ryby Kirgizii
(Fishes of Kirghizistan)

Shentyakov, V.A. & V.A. Strakhov 10-12415 F (1963)
9022.56(NS 11)
Results of electric fishing in the Rybinsk reservoir

En 60-6891.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Chapman, G.A. (1963) 10-12416 F
Calif.Fish Game, 49(1):30-43
Mission Bay. A review of previous studies and the status of the sportfishery

With respect to a southern California bay, describes physical characteristics, fishes and fishery, and its invertebrates.

Severson, B.I. (1963) 10-12417 F
Progr.Fish Cult., 25(1):39
A fish catching box

Details of construction are given.

Stewart, J.D. (1963) 10-12418 F
Progr.Fish Cult., 25(1):52-3
Live car for stream-survey work

Describes collapsible unit.

David A. (1963) 10-12419 F
Surv.Rep.Cent.Inl.Fish.Res.Inst.,Barrackpore, (1):10 p.
Report on fisheries survey of the River Gandak (north Bihar)

Results of investigation to determine advisability of fish passage and protection facilities at proposed barrage, and recommendations made.

ANON. (1962) 10-12420 F
Norweg.Fish.marit.News, 9(4):47
The Norwegian fisheries in 1962 - Quantities and values of chief species 1959-1962

ANON. (1965) 10-12421 F
Fish.Newslett.Aust., 24(3):27
Giant perch exported, grass carp imported

Note on exportation of giant perch from Papua to Australia and importation of grass carp to New Guinea from Hong Kong.

Albrecht, M-L. (1964) 10-12422 F
Z.Fisch., 12(6/7):479-506
Die Oder als Fischgewässer
(The Oder River as fishing waters). En
Ru

Chemical and biological conditions, abundance of fish, catches are described.

Carr, I.A. (1964) 10-12423 F
Comm.Fish.Rev., 26(4):1-8
Lake Erie fisheries explorations, May-November 1960

Shetty, H.P.C. (1963) 10-12424 F
Indian Livestk, 1(4):28-9
Exploiting the Mahanadi estuary

Lapitskii, I.I. (1964) 10-12425 F
Folia balc., 2(4):35-42
Formirovanie ikhtiofauny i razvitie i rybolovstva na Tsimlianskom vodokhranilischche
(The origin and creation of ichthyofauna and the development of fishery on the Tsimla artificial dam lake)

Upper Mississippi River Conservation Committee (1963) 10-12426 F
Proc.Upp.Mississippi Riv.Conserv.Comm., (19): 160 p.

Presents data on commercial fishery statistics, creel census, aerial survey, exploratory fishing, permanent sampling stations, tagging program, age and growth, regulations, fishing gear investigations, life history studies on walleye and sauger, channel catfish; dredge spoil surveys, Mississippi River recreation guide, sport catch study and long range survey programs.

McCrimmon, H.R. & A.H. Berst (1963) 10-12427 F
Progr.Fish Cult., 25(3):159-62
A portable A.C.-D.C. back-pack fish shocker designed for operation in Ontario streams

Detailed description of a cheap, light-weight, simple, efficient, effective basic A.C. unit which can be readily modified for D.C. operations.

Thomas, N.A. (1963) 10-12428 F
Progr.Fish Cult., 25(3):166-7
An electrofishing electrode with controllable amperage output

Describes a method of varying amperage output by changing the amount of electrode area coming in contact with the water.

Benson, N.G. (1963) 10-12429 F
Progr.Fish Cult., 25(3):167
Pulsating direct current from alternating-current generator with silicon rectifier

Describes use of the rectifier to obtain pulsating D.C. and the effectiveness of the electrofishing unit in sampling habitat to four feet in a reservoir.

West Pakistan. Directorate of Fisheries (1964) 10-12430 F
Rep.Dir.Fish.W.Pakist., 5:103 p.

Contains data concerning fisheries on lakes and rivers and on fish farms as a survey of freshwater fishery resources.

Stauch, A. (1963) 10-12431 F
Bull.Inst.Rech.sci.Congo, 2:49-85
Contribution à l'étude de la pêche dans la Cuvette Congolaise
(A contribution to the study of fisheries in the Congo Basin)

Sets forth the economic and social importance of inland fisheries in the Congo Basin of Congo (Brazzaville). It describes fishing techniques, fish preservation and fish marketing.
TA n1428.

Davis, S.P. (1963) 10-12432 F
Calif.Fish Game, 49(2):84-94
Commercial freshwater fisheries of California

Information on species, areas fished, fishing methods, seasons, and utilization.

Konstantinova, L.M. (1961) 10-12433 F
Trudy kaliningr.Rybotuza, 12
Rybodobyvaiushchii promysel na Tsimlianskom vodokhranilishche
(Fishing in the Tsimliansk reservoir)

Iushin, V.A. (1961)BC 10-12434 F
Moskva, Pishchepromizdat, 140 p.
Tekhpromfinplan rybozavoda (metodika sostavleniia)
(The technical and financial plan of a fish plant (compilation method))

Serov, N.P. (1961)C 10-12435 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:201-11
Opyt razdeleniia Balkhashskoi ikhtiologicheskoi provintsii
(An attempt to distinguish a Balkhash ichthyological province)

Serov, N.P. (1961)C 10-12436 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:213-5
K voprosu ob ikhtiogeograficheskom polozhenii basseina Irgiz-Turgaia
(Contribution to the problem of the ichthyogeographic position of the Irgiz-Turgai basin)

AQUATIC STOCKS

Demir, M. (1965) 10-12437 M
FAO Fish.Synops., (26) Rev. 1:40 p.
Synopsis of biological data on sprat
Sprattus sprattus (Linnaeus) 1758
(Mediterranean and adjacent seas)

NE 8-01333.

Demir, N. (1965) 10-12438 M
FAO Fish.Rep., (26) Rev. 1:42 p.
Synopsis of biological data on anchovy
Engraulis encrasicolus (Linnaeus) 1758
(Mediterranean and adjacent seas)

NE 8-01337.

FAO. Fisheries Division, 10-12439 M
Biology Branch (1965)
FAO Fish.tech.Pap., (59):36 p.
Report on the effects on whale stocks of pelagic operations in the Antarctic during the 1964/65 season and on the present status of those stocks

Report submitted by FAO to IWC. Contains tables on the catches and catcher days by seasons and spp. Incl. tables of data for subsequent assessment work. Appends a short report by the IWC committee of 4 scientists.
Do 9-051me.
FAO:efa

Ronald, K. (1962) 10-12440 M
Canad.J.Zool., 40(7):1223-7
The effects of physical stimuli on the larvae of Terranova decipiens. 2. Relative humidity, pressure, and gases

The importance of relative humidity, pressure and various gases are discussed in respect to the microecology of the species, a nematode parasite found in the axial musculature of fish.

Thorsteinson, F.V. & C.J. Lensink 10-12441 M
(1962)
J.Wildlife Mgmt, 26(4):353-9
Biological observations of steller sea lions taken during an experimental harvest

Pronounced territorial attachment and reluctance to leave rookeries makes breeding bulls, Eumetopias jubata, easy prey for hunters. Describes seasonal changes in mean age of harem bulls. Growth of bulls is slight after 9 years of age. Stomach contents of 382 animals including 10 females contained only one commercially important fish - halibut.
FiB:jgs

Kenyon, K.W. (1962) 10-12442 M
J.Wildlife Mgmt, 26(4):380-7
Notes on phocid seals at Little Diomede Island, Alaska

Information on the hunting and biology of the ringed seal, Pusa hispida, bearded seal, Erignathus barbatus, harbor seal, Phoca vitulina and ribbon seal, Histriophoca fasciata.

Nigeria. Federal Fisheries 10-12443 M
Service (n.d. 1962?)
Occ.Pap.Fish.Serv.,Lagos, (6):8 p.
Notes on the identification of fish commonly caught in trawls

Notes to serve as aide-memoire for technicians and biologists not familiar with the Nigerian demersal fishes cover only those commonly taken during commercial trawling operations, especially off coast of Western Nigeria. Only characters which can be used at sea are included in descriptions. Writer would be grateful for comments on these notes.

Nigeria. Federal Fisheries 10-12444 M
Service (n.d. 1962?)
Occ.Pap.Fish.Serv.,Lagos, (6):9 p.
Notes on the identification of fish commonly caught in trawls

NE 10-12443.

Furnestin, J. & J. Dardignac 10-12445 M
(1962)
Rev.Trav.Inst.Pêch.marit., 26(4):381-98
Le thon rouge du Maroc atlantique
(*Thunnus thynnus* Linné)
(The bluefin tuna of the Atlantic Morocco
(*Thynnus thynnus* Linné))

Morphometric and growth study.

Dardignac, J. (1962) 10-12446 M
Rev.Trav.Inst.Pêch.marit., 26(4):399-406
La bonite du Maroc Atlantique (*Sarda sarda* Bloch)
(The bonito of the Atlantic Morocco (*Sarda sarda* Bloch))

Study of morphology, growth, reproduction and fisheries.

Keyvanfar, A. (1962) 10-12447 M
Rev.Trav.Inst.Pêch.marit., 26(4):407-56
Sérologie et immunologie de deux espèces
de thonidés (*Germo alalunga* Gmelin et
Thunnus thynnus Linné) de l'Atlantique et
de la Méditerranée
(Serology and immunology of two species of
Thunnidae (*Germo alalunga* Gmelin and *Thunnus thynnus* Linné) of the Atlantic and
Mediterranean)

Study of blood groups, and electrophoresis and immunology of serous proteins.

Lahaye, J. (1962) 10-12448 M
Rev.Trav.Inst.Pêch.marit., 26(4):457-65
L'ovogénèse chez *Alosa finta*
(Ovogenesis of *Alosa finta*)

Sexual cycle and histological study of the ovary of the species which is compared with *Alosa alosa*.

Ben-Tuvia, A. (1962) 10-12449 M
Fish.Bull.,Haifa, 4(3/4):11-9
(Fisheries investigations of the Israel
south Red Sea expedition). *Iw* En

Gives further data on the common fishes, their occurrence, commercial value, sizes and length and weight distribution where possible.

Ben-Tuvia, A. (1962) 10-12450 M
Fish.Bull.,Haifa, 4(3/4):36-9
Fishing with lights during the year 1962

Compares catch data with cianciola nets in 1962 with figures for 1961. Gives data on catch effort, fishing fleets and grounds, and the fish concerned, including *Sardinella*, *Sardina*, *Dussumieria*, *Pneumatophorus Japonicus*, *Euthynnus*, *Sphyraena*, *Boops*.

Bowers, A.B. (1962) 10-12451 M
Rep.Mar.biol.Sta.Pt Erin, (74):17-22
Manx herrings in 1961: age, stocks,
gonad condition, vertebral count and size

Miller, P.J. (1962) 10-12452 M
Rep.Mar.biol.Sta.Pt Erin, (74):27-8
Evidence for the breeding in Manx waters
of the sand-smelt, *Atherina presbyter* C. & V.

Rass, T.S. (E. Roden, Transl.) 10-12453 M
(n.d. 1964)C
Washington, USFWS, Ichthyological Laboratory,
9 p.
Geographical distribution of bathypelagic
fishes of the family Myctophidae in the
Pacific Ocean

En T.S. Rass, 1960.

Konstantinov, K.G. & M.N. 10-12454 M
Shcherbino (C.A. Mclean
Transl.)(1963)A
U.K. MAFF, 3 p.
The diurnal vertical migrations of redfish

En K.G. Konstantinov & M.N. Shcherbino, 1958.

ICNAF (1965) 10-12455 M
FAO Fish.tech.Pap., (51):46 p.
Manual of methods for fish stock
assessment. Report on marking
Manuel sur les méthodes d'évaluation
des stocks ichtyologiques. Rapport sur le
marquage
Manual de métodos para la evaluación de
los stocks de peces. Informe sobre
marcado

Tri-lingual version of report published as a result of North Atlantic Fish Marking Symposium. Appends review article by R. Jones on theory of tagging experiments for population size and mortality rate estimation.
CR 10-10180, Do 60-264me.

Holliday, F.G.T., J.H.S. Blaxter & R.Lasker (1964) 10-12456 M
J.Mar.biol.Ass.U.K., 44:711-23
Oxygen uptake of developing eggs and larvae of the herring *Clupea harengus*

Nagabhushanam, A.K. (1964) 10-12457 M
J.Mar.biol.Ass.U.K., 44:177-202
On the biology of the whiting, *Gadus merlangus*, in Manx waters

Whitehead, P.J.P. (1964) 10-12458 M
Ann.Mag.nat.Hist., 6(65):273-84
Herklotsichthys Whitley 1951 to replace *Harengula* Valenciennes 1847 for Indo-Pacific species (Pisces: Clupeidae)

Wheeler, A. (1964) 10-12459 M
Ann.Mag.nat.Hist., 6(64):193-7
A new record of the fish *Beryx splendens* Lowe in northern European waters

Perks, A.M. & W.H. Sawyer (1965) 10-12460 M
Nature,Lond., 205(4967):154-6
A new neurohypophyseal principle in an elasmobranch, *Raia ocellata*

Johansen, G. (1964) 10-12461 M
Fish.News int., 3(2):134-9
Salmon problem in the North Pacific

Advocates fishing limitations in international waters for protection of salmon stocks.
Re 10-12236.

Smith, J.L.B. (1964) 10-12462 M
Ann.Mag.nat.Hist. 6:745-8
An interesting new branchiostegid fish from Vietnam

Palmer, G. (1964) 10-12463 M
Ann.Mag.nat.Hist., 6(71):701-4
The scorpaenid fishes of the genera *Rhinopias* Gill and *Peloropsis* Gilbert

Whitehead, P.J.P. (1964) 10-12464 M
Ann.Mag.nat.Hist., 7(73):32-47
A redescription of the holotype of *Clupalosa bulan* Bleeker, and notes on the genera *Herklotsichthys*, *Sardinella* and *Escualosa* (Pisces: Clupeidae)

Bruce, J.R., J.S. Colman & N.S. Jones (Eds.)(1963)BC 10-12465 M
Liverpool, University Press, 307 p.
Marine fauna of the Isle of Man and its surrounding seas

ANON. (1964) 10-12466 M
J.Mar.biol.Ass.U.K., 44(2):547
Marine fauna of the Isle of Man and its surrounding seas

Re 10-12465.

Raitt, D.F.S. & J.A. Pope (1964) 10-12467 M
J.Mar.biol.Ass.U.K., 44:693-709
A comparison of *Gadiculus* from Scottish and Mediterranean waters

Gorbman, A., H. Kobayashi & H. Uemura (1963) 10-12468 M
Gen.comp.Endocr., 3:505-14
The vascularization of the hypophyseal structures of the hagfish

Specimens of *Polistotrema stoutii* caught offshore of Oregon were tested.

McCutcheon, F.H. & A.E. McCutcheon (1964) 10-12469 M
Science, 145(3635):948-9
Symbiotic behaviour among fishes from temperate ocean waters

The Black Sea bass, *Centropristes striatus*, parasitized by the copepod *Lernaeenicus radiatus*, was cleaned by a topminnow, *Fundulus heteroclitus*.

Haider, M. & D.B. Lindsley (1964) 10-12470 M
Science, 146(3648):1181-2
Microvibrations in man and dolphin

A bottle-nosed dolphin *Tursiops truncatus* was tested. The nature and origin of microvibration is discussed in relation to physio-

Nagel, E.L., P.J. Morgane & W.L. McFarland (1964) 10-12471 M
Science, 146(3651):1591-3
Anesthesia for the bottlenose dolphin, *Tursiops truncatus*

Schmidt-Nielsen, B. & L. Rabinowitz (1964) 10-12472 M
Science, 146(3651):1587-8
Methylurea and acetamide: Active reabsorption by elasmobranch renal tubules

Huston, L.W.F. (1964)A 10-12473 M
Aust.Territories, 4(1):32-4
A pearl culture industry for the Northern Territory

TA October 1964.

Gambell, R. & J. Messtorff (1964) 10-12474 M
J.Cons., 28(3):393-404
Age determination in the whiting (*Merlangius merlangus* L.) by means of the otoliths

Presents the conclusions resulting from the activities of an international working group set by ICES. The different methods are discussed, the structure of the otolith is noted and time of laying of the spague and hyaline zones is investigated.

Sorokin, V.P. (1964) 10-12475 M
J.Cons., 28(3):405-9
On the influence of the fishery upon the population structure of redfish (*Sebastes marinus* L. and *Sebastes mentella* Travin)

Suggests that the redfish, with a long life cycle, slow growth rate and viviparity, are susceptable to the effects of fishing intensity. Also the sex ratios of *S. marinus* and *S. mentella* in the Barents Sea and Norwegian Sea have been changed by fishing.

Holden, M.J. & P.S. Meadows (1964) 10-12476 M
J.Cons.. 28(3):418-24
The fecundity of the spurdog (*Squalus acanthias* L.)

The fecundity of the north-west Scotland stock is described. Percentage maturity of female fish in relation to length and age is calculated, also the reproductive potential of the stock.

Moiseev, P.A. (1963) 10-12477 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):7-12
Nekotorye nauchnye prednosylki dlia organizatsii beringomorskoi nauchno-promyslovoi ekspeditsii
(Some scientific prerequisits for the organization of a Bering Sea fishery research expedition).

Discusses the Bering Sea hydrology and bottom configuration, areas favourable to the development of Pleuronectidae (4 sp.), *Paralithodes camtschatica*, *Sebastodes* sp. and other demersal and benthic fish.

Skalkin, V.A. (1963) 10-12478 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):223-37
Pitanie kambul v iugo-vostochnoi chasti Beringova moria
(Diet of flatfish in the south-eastern portion of the Bering Sea)

Describes live-feed consumed by *Limanda aspera* (prevailing sp.), *Lepidopsetta bilineata*, *Pleuronectes quadrituberculata*, *Hippoglossides elassodon*, *Platichthys stellatus*; concludes that food-competition between species is insignificant.

Shubnikov, D.A. (1963) 10-12479 M
Trud.veseoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):271-9
Nekotorye dannye po biologii ugol'noi ryby Beringova moria
(Some data on the biology of blackcod in the Bering Sea)

Discusses data on the sizes, age, weight in catches, behaviour and diet of *Anoplorua fimbria*, areas and prospects of commercial fishing.

Fadeev, N.S. (1963) 10-12480 M
Trud.vesesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):281-92
Zheltoperaia kambala vostochnoi chasti Beringova moria
(*Limanda aspera* in the eastern part of the Bering Sea)

Discusses environment and the behaviour of *L. aspera*; size, age, weight composition of catches, growth and spawning, diet and numerical strength of the Bering Sea stock.

Liubimova, T.G. (1963) 10-12481 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):293-303
Osnovnye cherty biologii i raspredeleniia Tikhookeanskogo morskogo okunia (*Sebastodes alutus* Gilbert) v zalive Aliaska
(Chain features of the biology and distribution of the Pacific rock fish (*Sebastodes alutus* Gilbert) in the Gulf of Alaska)

Discusses data, collected in 1960-62, on the behaviour of *S. alutus* in relation to environment and biologic conditions, areas, seasons, depth and degree of concentration.

Paraketsov, I.A. (1963) 10-12482 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):305-12
O biologii *Sebastodes alutus* Beringova moria
(Biology of *Sebastodes alutus* in the Bering Sea)

Discusses areas off both the Russian and American coasts and seasonal depth of concentration, size, sex, weight, age composition in catches, growth rates, reproduction, diet.

Gritsenko, O.F. (1963) 10-12483 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 48(1):313-6
Rozrast i temp rosta tikhookeanskogo morskogo okunia Beringova moria
(Age and growth rates of *Sebastodes alutus* in the Bering Sea)

Describes studies on material collected (1958) over the S.-E. shelf and slope between C. Navarin and Pribilof Is., compares to size/age data on *Sebastes* sp.

Grudinin, P.I. (1961)B 10-12484 M
Trud.Soveshch.ikhtiol.Kom., (13):454-6
Vliianie kormovoi bazy na vyzhivaemost' lichinok azovskoi khamsy
(The influence of available food resources on the survival potential of the Azov anchovy)

Grudinin, P.I. (1963) 10-12485 M
5828.4(10 397)
The influence of available food resources on the survival potential of the Azov anchovy

En 10-12484.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Kisliakov, A.G. (1961)B 10-12486 M
Trud.Soveshch.ikhtiol.Kom., (13):260-4
Sviaz' gidrologicheskikh uslovii s kolebaniiami chislennosti pokolenii treski
(The connection between hydrological conditions and fluctuations in the abundance of year classes of cod)

Kislyakov, A.G. (1963) 10-12487 M
5828.4(10 392)
The connection between hydrological conditions and fluctuations in the abundance of year classes of cod

En 10-12486.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Nikitinskaia, I.V. (1961)B 10-12488 M
Trud.Soveshch.ikhtiol.Kom., (13):391-2
Prisposobitel'noe znachenie raznokachestvennosti lichinok sakhalinskoi sel'di. (Tezisy dokl.)
(The adaptive significance of qualitative differences between larvae of the Sakhalin herring)

Nikitinskaya, I.V. (1963) 10-12489 M
5828.4(10 396)
The adaptive significance of qualitative differences between larvae of the Sakhalin herring

En 10-12488.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Ponomarenko, I.Ia. (1961)B 10-12490 M
Trud.Soveshch.Ikhtiol.Kom., (13):301-6
O vozmozhnom vliianii pitaniia molodi treski na ee chislennost'
(The possible influence of the nutrition of young cod on its abundance)

Ponomarenko, I.Ya. (1963) 10-12491 M
5828.4(10 391)
The possible influence of the nutrition of young cod on its abundance

En 10-12490.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Shentiakov, V.A. (1960)B 10-12492 M
Biull.Inst.Biol.Vodokhr., (8/9):46-9
(On fish behaviour in the zone before a trawl under the influence of the electric field of an alternating current and mechanical stimulus). Ru

Shentyakov, V.A. (1964) 10-12493 M
9022.45(34)
On fish behaviour in the zone before a trawl under the influence of the electric field of an alternating current and mechanical stimulus

En 10-12492.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Busnel, R.-G., A. Dziedzic & S. Andersen (1965) 10-12494 M
C.r.hebd.Séanc.Acad.Sci.,Paris, (12), 260(1): 295-7
Seuils de perception du système sonar du marsouin Phocaena phocaena L., en fonction du diamètre d'un obstacle filiforme
(Thresholds of perception in the sonar system of the porpoise Phocaena phocaena L., in terms of the diameter of a filiform obstacle)

Describes experiments in which P. phocaena with its sonar system is capable of distinguishing obstacles as small as metallic filaments 0.2 mm in diameter.

Dekhnik, T.V. (1960)B 10-12495 M
Trud.sevastopol.biol.Stants., (13):216-44
(Mortality coefficients during the embryonic and larval period of development of the Black Sea anchovy). Ru

Dekhnik, T.V. (1963) 10-12496 M
M.5176
Mortality coefficients during the embryonic and larval period of development of the Black Sea anchovy

En 10-12495.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Zemskii, V.A. (1963) 10-12497 M
M.5144
Methods of establishing traces of corpora lutea of pregnancy and ovulation on the ovaries of female whalebone whales

En Zemskii, V.A., 1956.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Harrison, R.J. & J.D.W. Tomlinson (1963) 10-12498 M
Viewpoints Biol., 2
Anatomical and physiological adaptations in diving mammals

Figueras, A. (1963)A 10-12499 M
Invest.pesq., (22):111-23
Edad y crecimiento del bacalao de las costas de Groenlandia en 1958
(Age and growth of the cod of the Greenland coasts in 1958). En

Figueras, A. (1963)A 10-12500 M
Invest.pesq., (22):125-44
Edad y crecimiento del bacalao en las pesquerías del Atlántico Noroeste en 1960
(Age and growth of the cod in the fisheries of the northwest Atlantic in 1960). En

Establier, R. (1963) 10-12501 M
Invest.pesq., (22):157-69
Variación de la composición química del atún de Barbate (costa sudatlántica española) en relación a las distintas fases migratorias (Variation of the chemical composition of the tuna of Barbate (south Atlantic Spanish coast) in relation to the different migratory phases). En

Study of variations in humidity and fat content in tunas during their incoming and outgoing migrations.

Sutherland, N.S., J. Mackintosh & N.J. Mackintosh (1963) 10-12502 M
Anim.Behav., 11(1):106-10
The visual discrimination of reduplicated patterns by octopus

In training experiments, octopus discriminated more readily between reduplicated patterns than simple small rectangles. Black shapes tended to be treated as equivalent to vertical pattern, white as horizontal.

Dutt S. (1963) 10-12503 M
Curr.Sci., 32:80-1
Rare fish, Velifer africanus Smith, from the Bay of Bengal

BSEA 9(4)2641.

Ali, M.A. & I. Hanyu (1963) 10-12504 M
Canad.J.Zool., 41(2):225-41
A comparative study of retinal structure in some fishes from moderately deep waters of the western North Atlantic

A study of the variation in retinal structure as related to the depth of the fish habitats and its possible significance to retinal function.

Zvorikin, V.P. (1963)B 10-12505 M
Arkh.Anat.Gist.Embr., 44(7):3-17
(Morphological basis for the ultrasonic and sonic detection characteristics of the dolphin) Ru

Zvorikin, V.P. (1963) 10-12506 M
JPRS:21038:18 p.
Morphological basis for the ultrasonic and sonic detection characteristics of the dolphin

Account of a comparative cytoarchitectonic study and planimetric measuring of subcortical formations of the auditory analyzer in man and dolphin.
En 10-12505.
Available from Office of Technical Services, U.S. Department of Commerce, Washington D.C.

Ivarsson, G. (1963) 10-12507 M
Ostkusten, April
Nagra uppgifter om sälar och deras skadegörelse pa fisket vid den svenska ostkusten
(Some information about seals and their detrimental effect on fishing on the east coast of Sweden). Sv

Some aspects of the ecology of Halichoerus gypus, Phoca hispida and Phoca vitulina.

Steinitz, H. (1962) 10-12508 M
Bull.Sea Fish.Res.Sta.,Haifa, (30):35-8
On the occurrence of Asymmetron in the Gulf of Eylath (Aqaba)

Issued also as: Contr.Knowl.Red Sea, (23).

Ackman, R.G. & R.D. Burgher (1963) 10-12509 M
Canad.J.Biochem.Physiol., 41(12):2501-5
Component fatty acids of the milk of the grey (Atlantic) seal

The fatty acid composition of the milk of a breeding grey seal (Halichoerus grypus) was analysed by a gas-liquid chromatographic method. An empirical correction system for argon ionization detectors is suggested.

Amaoka, K. (1963) 10-12510 M
Bull.Misaki mar.biol.Inst., (4):107-21
A revision of the flatfish referable to the genus Engyprosopon found in the waters around Japan

Key to spp. of Engyprosopon; ill. morphological descriptions, diagnoses, counts and measurements, notes on sexual dimorphism and biology for E. grandisquama, E. multisquama n. sp., and E. macroptera, n. sp.

Amaoka, K. (1963) 10-12511 M
Bull.Misaki mar.biol.Inst., (4):53-62
A revision of the flatfish referable to the genus Psettina found in the waters around Japan

Key to spp. of the genus Psettina (Hubbs); ill. morphological description of Psettina iijimai (with counts and measurements); P. gigantea n. sp.; P. tosana n. sp.; and comparison between spp.

Asano, H. & O. Okamura (1963) 10-12512 M
Bull.Misaki mar.biol.Inst., (4):49-52
A new gurnard of the genus Pterygotrigla from Tonking Bay

Ill. morphological description of Pterygotrigla spinosa n. sp.

Blache. J. (1963) 10-12513 M
Bull.Mus.Hist.nat., Paris, 35(5):468-72
Ichthyococcus polli Nov. sp. (Gonostomidae) poisson téléostéen bathypélagique nouveau de l'Atlantique tropical africain
(Ichthyococcus polli nov. sp. (Gonostomidae) a new bathypelagic teleostean fish from tropical African Atlantic)

Ill. morphological description.

Dotu, Y. & S. Mito (1963) 10-12514 M
Bull.Fac.Fish.Nagasaki, (15):10-6
(The bionomics and life history of the eleotrid fish, Asterropteryx semipunctatus Ruppell). Ni En

Note on distribution; sex dimorphism; reproduction; larvae, post-larvae and juvenile stages; feeding habits.

Iwai, T. (1963) 10-12515 M
Bull.Misaki mar.biol.Inst., (4):1-20
Development of lateral-line cupulae in the gobioid fish, Tridentiger trigonocephalus (Gill)

Ill. description of the 22 stages of normal development of the eggs, and of development of neuromasts and cupulae.

Jangaard, P.M., R.G. Ackman & R.D. Burgher (1963) 10-12516 M
Canad.J.Biochem.Physiol., 41(12):2543-6
Component fatty acids of the blubber fat from the common or harbour seal Phoca vitulina Concolor de Kay

A gas-chromatographic analysis of the fatty acid composition of blubber obtained from an adult female harbour seal.

Juliano, R.O. & A.L. Juliano (1963) 10-12517 M
Philipp.Abstr., 5(1):20
The gas bladder morphology of Datnia plumbea Kner with notes on some Philippine theraponid gas bladders

Description of gas bladder and associated glands; comparative morphology of gas bladders of Therapon jarbua, T. puta, T. theraps, Pelates quadrilineatus and D. plumbea and relation to taxonomy; discussion of probable role of the gas bladder in sound production of D. plumbea. Issued also as: Natural appl.Sci.Bull., 18(2):137-50, 1963.
:aem

Matsubara, K. & A. Ochiai (1963) 10-12518 M
Bull.Misaki Mar.biol.Inst., (4):83-105
Report on the flatfish collected by the Amami Islands expedition in 1958

Ill. morphological description on 7 spp. of flatfish belonging to the genera Pseudorhombus (Bleeker), Bothus (Rafinesque), Pardachinus (Gunther), Synaptuna (Cantor) and Soleichthys (Bleeker), all of which are rare in Japanese waters.

Moule, M.L. & P.F. Nace (1963) 10-12519 M
Canad.J.Biochem.Physiol., 41(12):2397-407
Reducing substances in the blood of normal and alloxan-treated fish

Glucose and rest reducing levels in the blood of toadfish (Opsanus tau) and brown bullhead (Ictalurus nebulosus) after alloxan injections were determined by chemical and enzymatic methods. The composition of the reducing substances was studied by paper chromatography.

Ochiai, A. (1963) 10-12520 M
Bull.Misaki Mar.biol.Inst., (4):63-74
Two dragonet fishes obtained from the tidal zone of the Amami Islands

Ill. morphological description, sexual differentiation in some measurements, size frequency and biological notes as a basis for determination of identifying characteristics and evaluation of the extent of the intraspecific variation dependent on sex and growth of Diplogrammus goramensis and Synchiropus ocellatus.

Ochiai, A. & H. Asano (1963) 10-12521 M
Bull.Misaki Mar.biol.Inst., (4):75-81
Two rare fishes, Gnathypops hopkinsi Jordan and Snyder, and Chauliodus sloani sloani Bloch and Schneider, obtained from Japan

Revised ill. morphological description of Gnathypops hopkinsi (Jordan and Snyder) and Chauliodus sloani sloani (Bloch and Schneider).

Okamura, O. (1963) 10-12522 M
Bull.Misaki Mar.biol.Inst., (4):37-42
A new macrouroid fish found in the adjacent waters of Formosa

Measurements and ill. morphological description of Coelorhynchus formosanus n. sp.

Okamura, O. (1963) 10-12523 M
Bull.Misaki Mar.biol.Inst., (4):21-35
Two new and one rare macrouroid fishes of the genera Coelorhynchus and Lionurus, found in the Japanese waters

Ill. morphological description of Coelorhynchus asteroides n. sp., C. smithi (Gilbert and Hubbs) and Lionurus tomiyamai n.sp. with counts and measurements of body parts in types of C. asteroides.

Okamura, O. & S. Kishida (1963) 10-12524 M
Bull.Misaki Mar.biol.Inst., (4):43-8
A new genus and species of the bembroid fish collected from the Bungo Channel, Japan

Ill. morphological description of genus SPINAPSARON n.g. and S. barbatus n. sp.; distinguishing characteristics from genus Matsurbaraea; and key to the genera of the family Bembropidae.

Qasim, S.Z., A.L. Rice & E.W. Knight-Jones (1963) 10-12525 M
J.Mar.biol.Ass.India, 5(2):289-93
Sensitivity to pressure changes in teleosts lacking swim-bladders

Examination of larvae of Pleuronectes platessa and Centronotus gunnellus under dissecting microscope, and of behaviour when subjected to pressure as low as 700 mb below atmospheric, in order to confirm absence of swim bladders.

Ramamurthy, S. (1963) 10-12526 M
J.Mar.biol.Ass.India, 5(2):318-20
A note on the prawn fishery at Adesar Camp

Environmental conditions during fishing season; species, size and sex composition of catch.

Robin, E.D. et al. (1963) 10-12527 M
Amer.J.Physiol., 205(6):1175-7
Adaptations to diving in the harbour seal-gas exchange and ventilatory response to CO_2

Aspects of the mechanism permitting prolonged diving in marine mammals were studied on female harbour seals, Phoca vitulina. Pulmonary gas exchange and ventilatory response to CO_2 were measured using gas samples passing valves in a plastic bag tied around the seal's head.

Schiff, H. (1963) 10-12528 M
Amer.J.Physiol., 205(5):927-40
Dim light vision of *Squilla mantis* L.

Aspects of the physiology of vision of arthropods were studied on the mantis shrimp. The anatomy of its eye and geometrical optics derived from it are described. Electroretinograms were recorded under various conditions of illumination and the spectral sensitivity determined.

Sebastian, M.J. & P. Vedavyasa 10-12529 M
Rao (1963)A
J.Mar.biol.Ass.India, 5(2):322
On the feeding habits of the snake mackerel *Gempylus serpens* (Cuvier), with some remarks on the specimens collected off the Indian coast

Shiino, S.M. (1963) 10-12530 M
Publ.Seto Mar.biol.Lab., 11(2):409-14
Note on *Lepeophtheirus semicossyphi* Yamaguti (Copepoda: Caligoida)

Ill. morphological description of male and female specimens, cancelling original description.

Shiino, S.M. (1963) 10-12531 M
Publ.Seto Mar.biol.Lab., 11(2):403-7
On *Trebius longicaudatus* Shiino (Copepoda: Caligoida) found on the fetus of *Squatina nebulosa* Regan

Ill. morphological description and measurements.

Soesanto, V. (1963)A 10-12532 M
Warta Penelit., 1(1):17-23
(Migration of *Rastrelliger neglectus* van Kempen in West Kalimantan waters). *Bah Ind* En

Abstract in: *Indon.Abstr.*, 5(4):156, 1963.

Tsuruta, S. (1963) 10-12533 M
J.Shimonoseki Univ.Fish., 13(1):53-9
(Morphometric characters of yellowfin tuna, *Neothunnus albacora* (Lowe), in the eastern waters of the Indian Ocean). *Ni* En

Statistical analysis.

Tsuruta, S. (1963) 10-12534 M
J.Shimonoseki Univ.Fish., 13(1):43-51
(Morphometric comparison of yellofin tuna, *Neothunnus albacora* (Lowe), from several areas in the Indian Ocean). *Ni* En

Statistical analysis of measurements of fish from Indian Ocean and Arabian Sea.

Vedavyasa Rao, P. (1963) 10-12535 M
J.Mar.biol.Ass.India, 5(2):320-1
On the line fishery for *Rastrelliger kanagurta* (Cuvier), along the north Kanara coast

Note on fishing season, gear used, size composition of catch, feeding habits of sp.

Smith, M. (1964)C 10-12536 M
New York, Stechert-Hafner, Inc., 149 p.
Monograph of the sea snakes

NE 1926, M. Smith.

Guenther. A. (1964)C 10-12537 M
New York, Stechert-Hafner, Inc., 3 vols:530 p.
Andrew Garrett's Fische der Suedsee
(Andrew Garrett's fishes of the Southern Ocean)

NE 1916, A. Guenther.

Guenther, A. (1963)C 10-12538 M
New York, Stechert-Hafner, Inc.
Report on the shore fishes, deep sea fishes and pelagic fishes collected by H.M.S. CHALLENGER

NE 1889, A. Guenther.

Minami, S. & H. Maeda (1965) 10-12539 M
Bull.Jap.Soc.sci.Fish., 31(5):346-9
Bathymetric difference in the frequency distribution of daily hauls by the Danish seiners belonging to a fish-meal fleet in the Bering Sea

Discussion of the relation between the number of hauls per day and the depth of the fishing grounds.

Hillaby, J. (1964) 10-12540 M
New Scient., 24(418):502-3
Why the grey seal matters

A dispute between conservationists upon the protection measures for the grey seal population of British coasts.

Longhurst. A.R. (1963) 10-12541 M
Fish.Publ., Lond., (20):66 p.
The bionomics of the fisheries resources of the eastern Tropical Atlantic

Accumulated data on West African fishes from surveys of Cape St. Mary, and more recent investigations in Sierra Leone, analysed and presented as a review of the present position of fisheries biology in area. Inshore distribution of soft deposits, and presence of permanent thermocline shown to have important effect on distribution of fisheries. Biology and distribution of clupeids is considered; unexploited stocks of some importance may be present off Sierra Leone and Guinea. Demersal, trawlable, fish are divisible into two faunas which are recognisable the length of the tropical West African coastline - one dominated by Sciaenidae, the other by Sparidae. Assessments of productivity of these faunas in various areas are made. Growth and mortality rates are estimated for some demersal fish: Sciaenidae, Drepanidae, Polynemidae, *Gynoglossus*, *Trygon*, *Tachysurus*, Sparidae.

Schwartz, F.J. (1963) 10-12542 M
Ecology, 44(3):622-3
Effects of winter water conditions on two species of marine fishes

Records temperatures, salinity and oxygen content of aquarium water in the winter of 1961-62 and the conditions under which specimens of *Pogonias cromis* & *Chilomycterus schoeffi* died.

Wohlschlag, D.E. (1963) 10-12543 M
Ecology, 44(3):557-64
An antarctic fish with unusually low metabolism

Describes experiments on the oxygen uptake of *Rhigophila dearboni* De Witt, and discusses the results in terms of the ecological and zoogeographical significance.

Kourist, W. (1963)A 10-12544 M
Arch.FischWiss., 13(3):129-30
Köhler - *Pollachius vireus* (Linnaeus, 1758) - vor Wangerooge und Cuxhaven gefangen
(Coalfish - *Pollachius vireus* (Linnaeus, 1758) - caught off Wangerooge and Cuxhaven). En

Kalle, K. (1963) 10-12545 M
Arch.FischWiss., 13(3):89-92
Zur Frage des Schwarmverhaltens von Heringen
(On the question of the shoaling behaviour of herring). En

Suggests dyspnaea may cause surfacing and scattering of shoals in infavorable conditions.

Freytag, G. (1964) 10-12546 M
Arch.FischWiss., 15(1):23-33
Beiträge zur marinen Bioakustik der Nord - und Ostsee. 1. *Trigla gurnardus* Linné, der graue Knurrhahn
(Contributions to the marine bio-acoustics of the North Sea and Baltic Sea. 1. *Trigla gurnardus* Linné, the grey gurnard). En

Kourist, W., E. Mauch &
K. Tiews (1964) 10-12547 M
Arch.FischWiss., 15(1):16-22
Ergebnisse von im Jahre 1962 durchgeführten Garnelenmarkierungsexperimenten
(The results of tagging experiments on the brown shrimp carried out in 1962). En

Describes the marking of *Crangon vulgaris* conducted in the southern part of German Bay.

Freytag, G. (1964) 10-12548 M
Arch.FischWiss., 15(2):114-21
Beiträge zur marinen Bioakustik der Nord - und Ostsee. 2. Fressgeräusche von Katfischen
(Contributions to the marine bio-acoustics of the North Sea and the Baltic Sea. 2. The feeding sounds of the wolf fishes). En

Anarrhichas lupus from the N.Sea was observed. The sounds were recorded by tape and analized oscillographically.
Co 1012546.

Hess, W.N. (1964) 10-12549 M
Nat.Hist., N.Y., 73(9):$\overset{32}{33}$-5
Long journey of the dogfish

Describes an extremely long migration of *Squalus acanthias* in N.W. Atlantic waters.

Amano, K. & K. Yamada (1964) 10-12550 M
Bull.Jap.Soc.sci.Fish., 30(5):430-5
A biological formation of formaldehyde in the muscle tissue of gadoid fish

Amaoka, K. (1964) 10-12551 M
Bull.Misaki mar.biol.Inst., (5):11-29
Development and growth of the sinistral flounder, Bothus myriaster (Temminck and Schlegel) found in the Indian and Pacific Oceans

Ill. study of specimens of B. myriaster in its various stages of growth, giving evidence of unique morphological change during entire growth period and of identification of the younger stages with B. ovalis.

Dotu, Y. & H. Tsukahara (1964) 10-12552 M
Bull.Jap.Soc.sci.Fish., 30(4):335-42
(The life history of the eleotrid fish, Mogurnda obscura Temminck et Schlegel).
Ni En

Notes on habitat, feeding habits, reproductive habits, and brief description of adults and larvae.

Fujino, K. (1964) 10-12553 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):1-27
Fin whale subpopulations in the Antarctic whaling areas 2, 3 and 4

Discussion of problems involved in identification of breeding populations, migratory range of each population and other biological aspects on the basis of blood typing and marking.

Fukataki, H. (1964) 10-12554 M
Bull.Japan Sea Fish.Res.Lab., (13):25-30
(Sex ratio of the southward migrating saury, Cololabis saira (Brevoort), in the Tsushima Current region). Ni En

Examination of the significance of bimodal distribution of body-length during late autumn to winter in relation with sexual cycle and relative longevity of the two sexes.

Gaskin, D.E. (1964) 10-12555 M
Tuatara, 12(2):115-8
Return of the southern right whale (Eubalaena australis Desm.) to New Zealand waters, 1963

Reports 5 recent sightings and gives brief account of history of occurrence.

Ichihara, T. (1964) 10-12556 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):29-45
Prenatal development of ear plug in baleen whales

Ill. report of prenatal development of ear plug based on examination of foetal specimens from 48 fin whales, 17 sei whales and 2 humpback whales. Biological data are given for each specimen.

Imaoka, Y. & S. Nishimura (1964) 10-12557 M
Bull.Japan Sea Fish.Res.Lab., (13):137-40
(Anomalies found in the flatfishes from the southern Japan Sea). Ni

Kane, J.E. (1964) 10-12558 M
N.Z.J.Sci., 7(2):289-303
Thalassomyces marsupii, a new species of ellobiopsid parasite on the hyperiid amphipod Parathemisto gaudichaudii (Guer.)

Ill. morphological description of the parasite with notes on early developmental stages, and effects on the host. A key to the genera of the family Ellobiopsidae is given.

Kikawa, S. (1964) 10-12559 M
Rep.Nankai Fish. Res.Lab., (20):37-57
(A study on indomaguro (Thunnus thynnus maccoyii) in the area south of 20 degrees S. lat. from the examination of ovary weight and maturity). Ni En

Sexual condition of fish in relation to the three periods of the fishing season.

Kikawa, S. (1964) 10-12560 M
Rep.Nankai Fish.Res.Lab., (20):27-34
(Estimated number of eggs spawned out of the ovaries of an indomaguro (Thunnus thynnus maccoyii?)). Ni En

Study of ovaries of 5 specimens in different stages before and after spawning to decide whether the ripening ovary is supplied with yolked ova from the reserve fund eggs; whether this supply continues after initial spawning; distinguished periods during which bulk of eggs are spawned.

Kojima, S. (1964) 10-12561 M
Bull.Jap.Soc.sci.Fish., 30(6):472-7
(On the distribution of the dolphin, Coryphaena hippurus L., in the Pacific Ocean and the Indian Ocean). Ni En

Distribution of dolphins hooked by tuna longline with data on water temperature and body weight, indicating possible existence of two different races.

Kume, S. & T. Shiohama (1964) 10-12562 M
Rep.Nankai Fish.Res.Lab., (20):59-67
(On the conversion between length and weight of bigeye tuna landings in the Pacific Ocean (preliminary report)). Ni En

Presents three equations by area which may be used to estimate length-weight relation of bigeye tuna landings.

Lever, R.J.A.W. (1964) 10-12563 M
S.Pacif.Bull., 14(2):33-6
Whales and whaling in the western Pacific

Account (historical and economic) of whaling activities in Melanesia and Polynesia.

Marshall, N.B. (1964) 10-12564 M
Oceanus, 11(1):2-7
Deep ocean sonic fishes

Discussion of sound-making devices; distribution of sonic fishes in the ocean; biological significance of sound-making.

McCann, C. (1964) 10-12565 M
Tuatara, 12(2):119-24
A coincidental distributional pattern of some of the larger marine animals

Discussion of factors influencing migration patterns with particular reference to strandings. List gives years and locations of strandings of 3 fish spp. and 8 cetacean spp.

Nakagome, J. (1964)A 10-12566 M
Bull.Jap.Soc.sci.Fish., 30(2):122-6
(Relation between monthly variation of hooking rate of yellowfin tuna and monthly variation of surface water temperature, and between annual variation of hooking rate of the fish and annual variation of surface water temperature, in the tropical Atlantic Ocean). Ni En

Nemoto, T. (1964) 10-12567 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):89-110
School of baleen whales in the feeding areas

Species composition and seasonal variation; sex ratio and sexual combinations; general schooling behaviour.

Nishimura, S. (1964) 10-12568 M
Bull.Japan Sea Fish.Res.Lab., (13):127-9
Additional information on the biology of the dealfish, Trachipterus ishikawai Jordan and Snyder

Measurements; morphological features; density and sinking factor; locomotory behaviour; feeding behaviour; parasites.

Nishiwaki, M. (1964) 10-12569 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):171-2
Revision of the article "Taxonomical consideration on genera of Delphinidae" in No.17

Revision of taxonomy and revised key to the living families of Odontoceti.

Ochiai, A. (1964) 10-12570 M
Bull.Misaki mar.biol.Inst., (5):39-42
An aberrant frogfish from Japan

Ill. morphological description of specimen (new to the author) provided with deformed locomotive organ, as an aid to identification.

Ogawa, Y. (1964) 10-12571 M
Bull.Japan Sea Fish.Res.Lab., (13):131-2
(A new record of Paracanthomysis hispida from the Japan Sea). Ni

Ogawa, Y. & S. Kano (1964) 10-12572 M
Bull.Japan Sea Fish.Res.Lab., (13):133-5
(Some notes about the morphological characters of atka fish, Pleurogrammus azonus, in the south western region of the Japan Sea). Ni

Ohsumi, S. (1964) 10-12573 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):49-88
Examination on age determination of the fin whale

Examination of age determination by means of marking; relation between ear-plug lamination and other age characters; examination of age composition based on ear-plug laminations.

Okutani, T. & T. Nemoto (1964) 10-12574 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):111-21
Squids as the food of sperm whales in the Bering Sea and Alaskan Gulf

Describes 8 spp. of squid found in sperm whale stomachs and discusses species distribution.

Omura, H. (1964) 10-12575 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):149-70
A systematic study of the hyoid bones in the baleen whales

Various measurements of bones from approx. 100 specimens are treated statistically. Distinctions among spp. are studied and a key to genera and spp. by means of hyoid bone is given.

Randall, J.E. (1964) 10-12576 M
Pacif.Sci., 18(3):281-96
Notes on the groupers of Tahiti, with description of a new serranid fish genus

Identification and re-classification of 4 rare spp. and diagnosis and description of GRACILA n.gen.

Smith, C.L. (1964) 10-12577 M
Pacif.Sci., 18(1):34-40
Some pearlfishes from Guam, with notes on their ecology

Discussion of distinguishing features of 4 forms collected from 4 spp. of holothurians and from Culcita novaguineae inc. host specificity; seasonal variation of infestation rates; activity outside host; life history; feeding habits. Key to pearlfishes is given.

Strasburg, D.W. (1964) 10-12578 M
Pacif.Sci., 18(1):51-7
Further notes on the identification and biology of echeneid fishes

Frequency distribution of meristic characters; key to Echeneidae; hosts and habits.

Tsuruta, S. (1964)A 10-12579 M
J.Shimonoseki Univ.Fish., 13(2):59-66
(Morphometric comparison of the yellowfin tuna, Thunnus albacares (Bonnaterre), from western waters of the Line Islands and those of the Gilbert Islands and southeast of the Indian Ocean). Ni En

Tsuyuki, H. & E. Naruse (1964) 10-12580 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):173-80
Studies on the lipids in brain of black right whale in the northern Pacific Ocean

Study of properties of the acetone-soluble lipid and phospholipids in the brain of the black right whale.

Whitley, G.P. (1964) 10-12581 M
Aust.nat.Hist., 14(10):330
A large sawtail surgeonfish

Ill. description of a specimen of Prionurus microlepidotus obtained near Townsville, northern Queensland, and comparison with other specimens of this spp.; note on distribution of the spp.

Yaldwyn, J.C. (1964) 10-12582 M
Aust.nat.Hist., 14(11):362
The ornamental sea-toad

Photograph and brief note on appearance and distribution of Schizophrys dama which is now rare.

ANON. (1964) 10-12583 M
Fish.Newslett.Aust., 23(6):7, 9
Russian fleet's operations

Brief account, accompanied by photographs, of participants and activities during the 1963-64 Antarctic whaling season; and Russian fleet's visit to Melbourne, Australia.

ANON. (1964) 10-12584 M
Fish.Newslett.Aust., 23(6):29
Dolphins no problem here

Note on the dolphin as a menace to Mediterranean fishermen, its intelligence rating and its location of fish by sound waves.

ANON. (1964) 10-12585 M
Fish.Newslett.Aust., 23(9):9
W.A. crayfish farm plan

Brief note on proposal by private enterprise in W.A. for breeding and artificial cultivation of crayfish.

ANON. (1964) 10-12586 M
Fish.Newslett.Aust., 23(9):15
Rare tuna caught by young Tasmanian

Reports capture of Allothunnus fallai, scientific dissection of which allowed alterations and additions to original description.

Gaskin, D.E. (1964) 10-12587 M
Tuatara, 12(2):106-14
Recent observations in New Zealand waters on some aspects of behaviour of the sperm whale (Physeter macrocephalus)

Discussion of distribution and sexual segregation; group and individual movements; feeding and living behaviour; reaction to approaching boats. Methods of observation are outlined.

Igarashi, S. (1964) 10-12588 M
Sci.Rep.Tohoku Univ.(4):30(1):85-8
Modification of sex ratio by feeding the ovisacs in Tigriopus japonicus

Attempt to control the concentration of Xi-substance in the oocyte and change the sex ratio of the ovisac; discussion of the characteristic sex feature.

ANON. (1964) 10-12589 M
Mondo sommerso, 6(6)
Atlante dei pesci delle coste italiane (Fish atlas of the Italian coasts). It

Detachable cards, ill., with notes on morphology, reproduction, nutrition and geographical distribution of Trigla lyra L. 1758, and Trachinus vipera Cuvier e Valenciennes 1829.

ANON. (1964) 10-12590 M
Mondo sommerso, 6(4)
Atlante dei pesci delle coste italiane (Fish atlas of the Italian coasts). It

Detachable cards, ill., with notes on morphology, reproduction, nutrition and geographical distribution of Crenilabrus and Callionymus.

Nagasawa, K. et al. (1964) 10-12591 M
J.Jap.biochem.Soc., 36(1):29-35
Studies on whale heparin. 1

Bitterman, M.E. (1964) 10-12592 M
J.exp.Anal.Behav., 7(2):189-98
An instrumental technique for the turtle

Irving, L. et al. (1963)A 10-12593 M
Physiol.Zoöl., 36(1):1-20
Action of the heart and breathing during the development of fur seals (Callorhinus ursinus)

Henderson, G.T.D. (1964)A 10-12594 M
Nature,Lond., 201(4917):419
Identity of larval redfish populations in the North Atlantic

Wellings, S.R. & R.G. Chuinard (1964)A 10-12595 M
Science, 146(3446):932-3
Epidermal papillomas with virus-like particles in flathead sole, Hippoglossoides elassodon

Fedorov, S.S., I.D. Truskanov & I.G. Yudanov (1964) 10-12596 M
Rapp.Cons.Explor.Mer., 155:196-8
On the stock size of the Atlanto-Scandian herring

Truskanov, M.D. & M.N. Scherbino (1964) 10-12597 M
Paper presented to the Seminar on Fishery Biology and Oceanography for Participants from Asia, Africa, the Pacific area, the Mediterranean region and some European Countries, Moscow, August-September 1964. 23 p., mimeo
Methods of direct calculation of fish concentrations by means of hydroacoustic apparatus

Hawaii Marine Laboratory (1964) 10-12598 M
S.Pacif.Bull., 14(2):51-4
Poison fish projects report

Hewitt, G.C. (1964) 10-12599 M
Trans.roy.Soc.N.Z.(Zool.), 5(3):55-8
A new species of Lophoura (Shyriidae, Copepoda) from New Zealand waters

Note on method of attachment and ill. morphological description of 2 specimens of Lophoura laticervix n. sp. obtained from the macrurid Coelorhyncus fasciatus. Comparison with previously recorded spp.

Klawe, W.L. & F.G. Alverson (1964) 10-12600 M
Pacif.Sci., 18(2):166-73
Occurrence of two species of young threadfin, Polydactylus opercularis and P. approximans, in the offshore waters of the eastern tropical Pacific Ocean

Date and location of captures made by tuna fishermen and by scientists; size range and species composition.

Mori, I. (1964) 10-12601 M
Bull.Jap.Soc.sci.Fish., 30(1):1-5
(On the secular variation of catch of the yellow-tail Seriola quinqueradiata T. and S., in the Meshima fishing ground (fixed net) of the East China Sea). Ni En

Analysis of catch records in an attempt to ascertain the relation between fluctuations in catch and hydrological conditions at the fishing grounds.

Ohsumi, S. (1964) 10-12602 M
Sci.Rep.Whales Res.Inst.,Tokyo, (18):123-47
Comparison of maturity and accumulation rate of corpora albicantia between the left and right ovaries in Cetacea

Comparison of maturity and accumulation of corpora between left and right ovaries in 23 spp. of Cetacea; classification of accumulation curves into 3 types according to occurrence of ovulation.

Okiyama, M. (1964) 10-12603 M
Bull.Japan Sea Fish.Res.Lab., (13):1-14
(Early life history of the Japanese blanquillos, Branchiostegus japonicus japonicus (Houttuyn)). Ni En

Ill. description of developmental stages, including changes in body proportions; examination of stomach contents; discussion of occurrence of postlarvae in Sado Straits as an indication of spawning grounds.

Strasburg, D.W. (1964) 10-12604 M
Pacif.Sci., 18(2):174-85
Postlarval scombroid fishes of the genera Acanthocybium, Nealotus, and Diplospinus from the central Pacific Ocean

Ill. description of young stages of A. solandri, N. tripis and D. multistriatus from material collected in the central Pacific southwest of Hawaii in 1958 during cruise 47 of HUGH M.SMITH. Station data are given.

Yang, R., Y. Hiyama & Y. Nose (1964) 10-12605 M
Bull.Jap.Soc.sci.Fish., 30(3):239-47
On the parent-progeny relationship, considering the variation of geographical distributions of Hokkaido herring (Clupea pallasii C. et V.)

Re-examination of the parent-progeny relation, considering changes in geographical distribution of parent spawners, and using data of age-composition of catch collected from 1907 to 1960.

Yamane, S. (1964) 10-12606 M
Bull.Misaki mar.biol.Inst., (5):1-10
A revisional study of the surf-fishes referable to the genus Ditrema

Counts and measurements and diagnoses of adults and embryos of Ditrema temmincki (Bleeker) and D. viridis (Oshima) in order to identify taxonomic characteristics. Key to spp. of the genus Ditrema is given.

USFWS. Bureau of Commercial Fisheries (1964) 10-12607 M
News Notes sci.Activ.U.S.Bur.comm.Fish., July, 2 p., mimeo

Note on attempt to clarify assumption, made on basis of blood typing studies, that the seasonal abundance of the two breeding sub-populations of skipjack in Hawaiian waters is associated with changes of oceanographic environment.

Usami, S. (1964)A 10-12608 M
Bull.Tokai Fish.Res.Lab., (38):1-30
(Fecundity of the Japanese sardine, Sardinops melanosticta (Temminck & Schlegel). 1. Process of maturation and the number of ova determined on the basis of ovum diameter measurement of the large-sized females taken from the Japan Sea).
Ni En

Yoshino, S. (1964) 10-12609 M
Bull.Jap.Soc.sci.Fish., 30(3):203-8
(A study on the hearing of fishes in relation of the sounds of their environment. 1. Sound analysis of sea noise). Ni En

Analysis of sea noise measured as sound level and recorded on magnetic sound-tape off Izu peninsular and Kujukuri seashore.

Okutani, K. & M. Kimata (1964) 10-12610 M
Bull.Jap.Soc.sci.Fish., 30(3):262-6
(Studies on chitinolytic enzyme in digestive tracts of Japanese sea-bass, Lateolabrax japonicus. 1.). Ni En

Study carried out to determine the presence of chitin in the digestive tract.

Fortune, P.Y. (1963) 10-12611 M
Experientia, 19:485-6
Effect of thiourea treatment on temperature selection and swimming beahviour in Phoxinus phoxinus

Mathisen, O.A., R.T. Baade & R.J. Lopp (1962) 10-12612 M
J.Mammal., 43(4):469-77
Breeding habits, growth and stomach contents of the steller sea lion in Alaska

Eumetopias jubata observed May to July.

Nygren, L.R. (1963) 10-12613 M
J.Mammal., 44(1):123
Unusual feeding behaviour of fur seal pup

Callorhinus ursinus fed from bottle in captivity.

Jones, R.D.,Jr. (1963) 10-12614 M
J.Mammal., 44(1):122
An overland migration of fur seals

Callorhinus ursinus in Alaska.

Arsen'ev, V.A. (1963) 10-12615 M
M.5116
Distribution of feeding grounds and the accumulation of baleen whales in the Antarctic

En 59-0132.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Arsen'ev, V.A. (1963) 10-12616 M
M.5145
Lesser rorquals of the Antarctic, Balaenoptera acutostrata Lac.

En V.A. Arsen'ev, 1959.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Chuzhakina, E.S. (1963) 10-12617 M
M.5122
The breeding cycle of the sperm whale

En E.S. Chuzhakina, 1955.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Ivanova, E.I. (1963) 10-12618 M
M.5121
Characteristics of the body proportions in sperm whales Physeter catodon L.

En E.I. Ivanova, 1955.
Available from National Lending library for Science and Technology, Boston Spa, Yorkshire.

Kamshilov, M.M. (1963) 10-12619 M
M.5109
Determination of the weight of Calanus finmarchicus Gunner on the basis of body length measurements

En M.M. Kamshilov, 1951.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Zemskii, V.A. (1963) 10-12620 M
M.5134
Certain aspects of the embryology of Balaenoptera physalus L. of the Antarctic

En V.A. Zemskii, 1950.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Zemskii, V.A. (1963) 10-12621 M
M.5133
Some aspects of the biology of reproduction of certain species of Antarctic whalebone whales

En V.A. Zemskii, 1950.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Aslanova, N.E. (1963) 10-12622 M
9022.56(NS 10)
The sprat of the Black Sea

En N.E. Aslanova, 1954.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Kazanova, I.I. (1960)B 10-12623
Trud.VNIRO, 42:84-98
(The biology and fishery of the sprat in the northern part of the Baltic). Ru

Kazanova, I.I. (1963) 10-12624 M
9022.56(NS 19)
The biology and fishery of the sprat in the northern part of the Baltic

En 10-12623.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Moiseev, P.A. (1963) 10-12625 M
9022.56(NS 18)
Certain laws governing the dynamics of the abundance of commercial fish in the north western part of the Pacific Ocean

En 9-12383.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Petrova, E.G. (1960)B 10-12626 M
Trud.VNIRO, 42:99-108
(On the fecundicity and maturation of the Baltic sprat). Ru

Petrova, E.G. (1963) 10-12627 M
9022.56(NS 20)
On the fecundicity and maturation of the Baltic sprat

En 10-12626.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Sorokin, V.P. (1963) 10-12628 M
9022.56(NS 1)
The sexual cycle and spermatogenesis of the cod

En 61-10609.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Tarverdieva, M.I. (1962)B 10-12629 M
Vop.Ikhtiol., 2(4):703-16
(Some data on the feeding of the Barents Sea Cod Gadus morhua morhua L. in experimental conditions). Ru

Tarverdieva, M.I. (1963) 10-12630 M
9022.56(NS 4)
Some data on the feeding of the Barents Sea cod *Gadus morhua morhua* L. in experimental conditions

En 10-12629.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Edmundson, A.B. (1965) 10-12631 M
Nature,Lond., 205(4974):883-7
Amino-acid sequence of sperm whale myoglobin

Research on carboxymethylation of the histidine residues and chymotryptic hydrolysis of myoglobin of gen. *Physeter.*

Holliman, R.B. (1963) 10-12632 M
Tulane Stud.Zool., 10(2):83-6
Gyrodactylus shorti, a new species of monogenetic trematode from the brood pouch of the southern pipefish, *Syngnathus scovelli* (Evermann and Kendall)

Smith, A.C. (1963) 10-12633 M
Calif.Fish Game, 49(1):44-9
Variant hemoglobin and electrophoretic whole blood studies in two tunas and three other fish species

With reference to *Thunnus thynnus*, *T. alalunga*, *Paralabrax maculatofasciatus*, *Rhacochilus toxotes* and *Engraulis mordax.*

Fierstine, H.L. & R.G. Werner (1963) 10-12634 M
Calif.Fish Game, 49(1):50-2
A new northern record of the smooth stargazer

Records presence of *Kathetostoma averruncus* off Piedras Blancas, San Luis Obispo Co., California, and gives collection data for species in California since 1959.

Collette, B.B., F.H. Talbot & R.H. Rosenblatt (1963) 10-12635 M
Calif.Fish Game, 49(1):53-4
The first California record of sierra, *Scomberomorus sierra* Jordan and Starks

Records a 1962 record from La Jolla.

Joseph, J. & I. Barrett (1963) 10-12636 M
Calif.Fish Game, 49(1):55
The schooling behaviour of Pacific yellowfin and skipjack tuna held in a bait well

Describes observations on *Thunnus albacares* and *Katsuwonus pelamis*.

Yonge, C.M. (1963) 10-12637 M
Endeavour, 22(85):51
Marine biology.

Re 61-01305.

Bayagbona. E.O. (1963) 10-12638 M
Bull.Inst.franç.Afr.noire(A), 25(1):238-64
Biometric study of two species of *Pseudotolithus* from the Lagos trawling grounds

Study of the biometric characters of samples of *P. senegalensis* and *P. typus*. Composition, with data from Pointe Noire suggest the presence of a large single population of each of the species on a large part of the tropical Atlantic coastal waters of Africa.

ANON. (1963) 10-12639 M
France Pêche, (69):31-2
Fiche technique - La seiche
(Fishery card on the squid)

Detachable cards, ill., giving biology, habitat, fishing, catch, commercial use of *Sepia officinalis*.

ANON. (1963) 10-12640 M
France Pêche, (69):31-2
Fiche technique - Caratères généraux des sélaciens
(Fishery card on general characteristics of selachians)

Detachable cards, ill., giving biology, habitat, fishing, catch, commercial use of selachians.

ANON. (1963) 10-12641 M
France Pêche, (69):18
Réglementation du chalutage dans l'aire de la convention sur les pêcheries de l'Atlantique du nord-ouest
(Mesh regulation in the area of the international convention for the Northwest Atlantic fisheries)

Text of French law published in "Journal Officiel" the 1st January 1963.

Andreu, B. (1963) 10-12642 M
Industr.pesq.,Vigo, 37(858):25
La crisis mundial de la pesqueria de sardina
(The world crisis of the sardine fisheries)

Considers effect of the fisheries reproduction factors, fluctuations, migrations, and biological aspects of the Galician and Portuguese sardines.

Dijkgraaf, S. (1963) 10-12643 M
Biol.Rev., 38(1):51-105
The functioning and significance of the lateral-line organs

The ordinary lateral-line organs, structure, behaviour experiments. Electrophysiological experiments. Functioning of single end-organs. Integrated action, biological significance. Special adaptions in structure and function. The ampullary lateral-line organs, structure, behaviour experiments. Electrophysiological experiments. Biological significance. Comparative remarks, skin, lateral line and labyrinth, mechanical and electrical 'distant touch' orientation.

Fänge, R. & K. Fugelli (1963) 10-12644 M
Sarsia, (10):27-34
The rectal salt gland of elasmobranchs, and osmoregulation in chimaeroid fishes

A study of Selache maxima and Chimaera monstrosa. Functional and phylogenetic aspects are discussed.

Riley, J.D. (1963) 10-12645 M
World Fish., 12(2):36-8
Farming the sea with plaice as the crop

Woodhead, A.D. (1963) 10-12646 M
World Fish., 12(3):37-9
The migrations of fish - 1

Tambs-Lyche, H. (1963) 10-12647 M
Sarsia, (11):21-4
Norwegian Petromyzontidae

Lampetra fluviatilis L. taken near Bergen, the most northerly locality for the sp. outside the Baltic. No positive evidence that any lamprey except L. planeri (Bloch) breeds in south Norwegian rivers, but it is not unlikely that both Petromyzon marinus and L. fluviatilis do. L. japonica (Martens) is recorded from near Novaja Zemlja, and an ammocoetes larva found in Pasvik River (East Finnmark) is considered as belonging to that sp.

ANON. (1963) 10-12648 M
Treaty Ser.U.K., (11)
Convention for the regulation of meshes of fishing nets and size limits of fish

Renfro, W.C. & H.A. Brusher (1963) 10-12649 M
Circ.U.S.Fish Wildl.Serv., (161):13-7
Spawning populations

Aldrich, D.V. (1963) 10-12650 M
Circ.U.S.Fish Wildl.Serv., (161):55-6
Physiology and behaviour program

Aldrich, D.V. (1963) 10-12651 M
Circ.U.S.Fish Wildl.Serv., (161):57-60
Tolerances to environmental factors

Costello, T.J., D.M. Allen & C.H. Saloman (1963) 10-12652 M
Circ.U.S.Fish Wildl.Serv., (161):83-5
Marking spiny lobsters, Panulirus argus, and blue crabs, Callinectes sapidus, with biological stains

Baxter, K.N. (1963) 10-12653 M
Circ.U.S.Fish Wildl.Serv., (161):31-2
Abundance of juvenile shrimp

Klima, E.F. (1963) 10-12654 M
Circ.U.S.Fish Wildl.Serv., (161):33-4
Brown shrimp mortality studies

Costello, T.J. (1963) 10-12655 M
Circ.U.S.Fish Wildl.Serv., (161):35-7
Pink shrimp life history

Inglis, A. (1963) 10-12656 M
Circ.U.S.Fish Wildl.Serv., (161):47-51
Ecology of nursery areas

Zein-Eldin, Z.P. (1963) 10-12657 M
Circ.U.S.Fish Wildl.Serv., (161):61-2
Experimental growth studies with postlarval brown shrimp

Zein-Eldin, Z.P. (1963) 10-12658 M
Circ.U.S.Fish Wildl.Serv., (161):63
Use of anesthetics in metabolism studies with penaeid shrimps

Diener, R.A. (1963) 10-12659 M
Circ.U.S.Fish Wildl.Serv., (161):67-9
Results of the Trinity Bay study

Koski, C.H. (1963) 10-12660 M
Circ.U.S.Fish Wildl.Serv., (161):70-4
The Colorado River - Matagorda Bay study

Renfro, W.C. (1963) 10-12661 M
Circ.U.S.Fish.Wildl.Serv., (161):86-7
Small beam net for sampling postlarval shrimp

Allen, D.M. & T.J. Costello (1963) 10-12662 M
Circ.U.S.Fish.Wildl.Serv., (161):88-9
The use of Atkins-type tags on shrimp

Wheeler, R.S. (1963) 10-12663 M
Circ.U.S.Fish Wildl.Serv., (161):90-1
Immersion staining of postlarval shrimp

Allen, D.M. (1963) 10-12664 M
Circ.U.S.Fish Wildl.Serv., (161):92
A device for measuring live shrimp

Idyll, C.P., A.C. Jones & D. Dimitriou (1963) 10-12665 M
Circ.U.S.Fish Wildl.Serv., (161):93-4
Distribution of pink shrimp larvae and postlarvae

FAO. Fisheries Division, Biology Branch (1963) 10-12666 M
FAO Fish.Circ., (2):6 p.
Effects of underwater explosives on marine life

A short list of references, with a request for additional material.
Distribution restricted.

ICES (1963) 10-12667 M
Statist.News Lett.int.Coun.Explor.Sea, (16): 87 p.
Herring - North Sea 1961. Stock records

Length distributions, age-length keys, counts of vertebrae, gill-rakers and fin rays of Clupea harengus reported by ICES members from catch samples from North Sea, Norwegian coast and the belts, by all types of vessels.

Ponomarenko, I.Ya. (U.K.MAFF Transl.)(1963) 10-12668 M
Lowestoft, 8 p., mimeo
The possible influence of the nutrition of young cod on its abundance

En 10-12490.

Kislyakov, A.G. (U.K.MAFF, Transl.)(1963) 10-12669 M
Lowestoft, 6 p., mimeo
The connection between hydrological conditions and fluctuations in the abundance of year classes of cod

En 10-12486.

Bonnell, B. (1963) 10-12670 M
Bull.Biol.,Madras, 2:1-7
The adhesive disc of the suckerfish, Echeneis naucrates

Describes the morphological and anatomical peculiarities. Reviews explanations of the sucking mechanism.

U.K. Nature Conservancy. Committee on Grey Seals and Fisheries (1963) 10-12671 M
London. H.M.S.O.
Grey seals and fisheries

Dimond, Marie Therese, Sister (1963) 10-12672 M
Biol.Bull.,Woods Hole, 124(2):170-81
The relation of whole-body I^{131} uptake to thyroid activity in the developing dogfish, Scyliorhinus canicula (L.)

Experiments exposing embryos to thiourea then I^{131} and making antoradiographic and histological examinations.

Scheffer, V.B. & D.W. Rice (1963) 10-12673 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (431): 12 p.
A list of the marine mammals of the world

Gibson, F.A. (1962) 10-12674 M
Irish Nat.J., 14(1):15-8
Notes on Brama raii (Bloch) from Galway Bay

Record of catch of 9 specimens with notes on gonad development, stomach contents, otoliths and morphological characters.

Ramamurthy, S. (1963) 10-12675 M
J.Mar.biol.Ass.India, 5(1):146-8
A note on the prawn fishery of Kutch

Spp. composition of catch.

Noble, A. (1963) 10-12676 M
J.Mar.biol.Ass.India, 5(1):142-3
On the association between the fish, Caranx malabaricus Cuv. & Val. and the siphonophore, Porpita pacifica Lesson

Observations on behaviour.

Anantaraman, S. (1963) 10-12677 M
J.Mar.biol.Ass.India, 5(1):137-9
On helminth parasites from the Madras coast

Note on previous contributions; 14 spp. of helmiths obtained from rich planktonic and dredge collections, teleosts, elasmobranchs and birds are listed together with their hosts.

Pillai, N.K. (1963) 10-12678 M
J.Mar.biol.Ass.India, 5(1):68-96
Copepods parasitic on south Indian fishes-family Caligidae

Ill. description of 17 spp., 15 (9 new) belonging to Caligus Muller and 2 (1 new) to Lepeophtheirus Nordman.

Raja, B.T.A. (1963) 10-12679 M
J.Mar.biol.Ass.India, 5(1):148-50
An instance of hermaphroditism in the Indian oil sardine, Sardinella longiceps (Cuv. & Val.)

Ill. description of gonads with discussion of disposition of the component parts in hermaphroditism.

Mohan, R.S.I. (1963) 10-12680 M
J.Mar.biol.Ass.India, 5(1):152
On the occurrence of Dugong dugong (Muller) in the Gulf of Cutch

Measurements of stranded specimen and note on occurrence.

Silas, E.G. & M.S. Rajagopalan (1963) 10-12681 M
J.Mar.biol.Ass.India, 5(1):153-6
On a recent capture of a whale shark (Rhincodon typus Smith) at Tuticorin, with a note on information to be obtained on whale sharks from Indian waters

Body measurements; stomach contents; note on need for further data and measurements.

Shiino, S.M. (1963) 10-12682 M
Rep.Fac.Fish.Univ.Mie, 4(3):331-4
On the male of Pseudocaligus fugu Yamaguti (Copepoda: Caligoida)

Ill. morphological description and comparison with female; distinguishing characteristics.

ANON. (1964) 10-12683 M
Fish.Newslett. Aust., 23(11):26
Prawn trawler nets rare "barking" crayfish

Note on new record and 2 previous records from Australia; note on source of noise.

Leyendekkers, J.V. (1964) 10-12684 M
Fish.Newslett.Aust., 23(11):23-5
Tuna - international fish

History of tuna fishing; development of fishery in Australian waters; outline of work on age, growth and migration.

Doi, T. (1964) 10-12685 M
Bull.Tokai Fish.Lab., (39):1-11
Estimation of the size of fin whale population in the Antarctic. Ni

Discussion of reproduction mechanism and maximum sustainable yield.
Issued also as: Contr.Tokai Reg.Fish.Res., Lab., (209).

Maeda. H. & S. Minami (1964) 10-12686 M
Bull.Jap.Soc.sci.Fish., 30(7):554-9
Frequency distribution of hauls by the Danish seiners in the Bristol Bay with respect to catch in tons

Relation between theoretical type of frequency distribution and that observed; fishing conditions necessary for normalized catch; suggested causes of different frequency distribution between bull trawlers and Danish seiners.

Khan, K.U. & Y. Hiyama (1964) 10-12687 M
Rec.oceanogr.Wks Japan, 7(2):107-22
Mutual effect of Sr-Ca upon their uptake by fish and freshwater plants

Experiments to ascertain uptake of ^{89}Sr and ^{45}Ca from environmental water through epithelial tissue and to evaluate effect of high Ca-diet on the incorporation of ^{89}Sr and ^{45}Ca into the organism.

Kubota, S.S. & M. Takakuwa 10-12688 M
(1963)
J.Fac.Fish.Univ.Mie, 6(1):107-24
(Studies on the diseases of marine-culture fishes. 1. General description and preliminary discussion of fish diseases at Mie prefecture). Ni En

General description with ill. and preliminary discussion of diseases caused by pathologic organisms and originating in bacterial and parasitic infection, and functional diseases and sporadic ones of unknown etiology.

Kubota, S.S. & K. Hagita (1963) 10-12689 M
J.Fac.Fish.Univ.Mie, 6(1):125-44
(Studies on the diseases of marine-culture fishes. 2. Pharmaco-dynamic effects of nitrofrazone for fish diseases (1)). Ni En

Degree of toxicity in 9 different spp., pathological and histological studies on the promotion of regeneration; dose and administration method required for each spp.
Co 10-12688.

Shiino, S.M. (1963) 10-12690 M
Rep.Fac.Fish.Univ.Mie, 4(3):335-47
Parasitic copepods of the eastern Pacific fishes. 1. Records of the known species

Records 11 known spp. with notes on locality and details of collection, coloration, measurements, and some ill. morphological descriptions.

Shiino, S.M. (1963) 10-12691 M
Rep.Fac.Fish.Univ.Mie, 4(3):349-56
Parasitic copepods of the eastern Pacific fishes. 2. Lutkenia elongata sp. nov.

Locality and details of collection, coloration, measurements, ill. morphological description of male and female inc. disposition of armatures on legs.
Co 10-12690.

Shiino, S.M. (1963) 10-12692 M
Rep.Fac.Fish.Univ.Mie, 4(3):357-68
Parasitic copepods of the eastern Pacific fishes. 3. Echthrogaleus pellucidus sp. nov.

Locality and details of collection, coloration, measurements, ill. morphological description of ♂ and ♀ inc. disposition of armatures on legs.
Co 10-12691

Shiino, S.M. (1963) 10-12693 M
Rep.Fac.Fish.Univ.Mie, 4(3):369-75
Parasitic copepods of the eastern Pacific fishes. 4. On CLAVELLISTES shoyoae gen. et. sp. nov.

Diagnosis; notes on locality and collection, coloration, measurements; ill. morphological description of ♂ and ♀.
Co 10-12692.

Doi, T. (1964) 10-12694 M
Bull.Tokai Fish.Res.Lab., (38):31-44
Estimation of coefficient of natural mortality of the fin whale population in the Antarctic. Ni

Indices of population size in pre-war and post-war periods; formula for estimation of natural mortality coefficient; estimated values of M and q; comparison of results with those obtained by IWC.
Issued also as: Contr.Tokai Fish.Res.Lab., (198).

Schneider, H. (1964) 10-12695 M
Z.vergl.Physiol., 47(5):493-558
Physiologische und morphologische Untersuchungen zur Bioakustik der Tigerfische (Pisces, Theraponidae) (Physiological and morphological investigations of the bioacoustics of tigerfish (Pisces, Theraponidae)). De En

Drumming-sounds and threatening-sounds emitted by Therapon jarbua were picked up by underwater microphone in the aquarium, their nature and function analysed and the influence of changes in water temperature

George, J.C. (1962) 10-12696 M
Amer.Midl.Nat., 68(2):487-94
A hystophysiological study of the red and white muscles of the mackerel

These muscles of Rastrellinger kanagurta Russell, were studied with respect to their fat content and enzyme (lipase and succinic dehydrogenase) concentrations. The respective roles of the two muscle types in the migratory travel of this fish as well as of others are suggested.

and in light intensity on sound production recorded. A description of the anatomy of the sound-producing mechanism is included.

ANON. (1965) 10-12697 M
Mondo sommerso, 7(4)
Atlante dei pesci delle coste italiane (Fish atlas of the Italian coasts). It

Detachable cards, ill., with notes on morphology, reproduction, nutrition and geographical distribution of Xyrichthys novacula (Labridae) and Campogramma vadigo (Carangidae).

Ben-Tuvia, A. (1962) 10-12698 M
Bull.Res.Coun.Israel, 11B(3):132-45
Collection of fishes from Cyprus

Systematic account of 45 spp., Scomberesox saurus, Macrorhamphosus gracilis, Centracanthus cirrus, Carapus acus, and Helicolenus dactylopterus reported for first time from E.Mediterranean. Morphological differences between Spicara neaena and S. smaris are discussed. Saurida undosquamis, an Indo-Pacific spp., common on trawling grounds north-east of Cape Andreas.

Mairs, D.F. & C.J. Sindermann 10-12699 M
(1962)
Biol.Bull., Woods Hole, 123(2):330-43
A serological comparison of five species of Atlantic clupeoid fishes

Photronreflectometer, agar diffusion, erythrocyte agglutination, and paper electrophoresis data for samples of Alosa pseudoharengus, Alosa aestivalis, Alosa sapidissima, Clupea harengus harengus, or Brevoortia tyrannus, from New Jersey.

King, J.E. (1965) 10-12700 M
Nature,Lond., 205(4970):515-6
Giant epiphyses in Ross Seal

Ommatophoca rossi.

Schevill, W.E. & W.A. Watkins 10-12701 M
(1965)
Nature,Lond., 205(4969):373-4
Underwater calls of Trichechus (Manatee)

Yablokov, A.V. & T.V. Andreyeva 10-12702 M
(1965)
Nature,Lond., 205(4969):412-3
Age determination in baleen whales (Mystacoceti)

The histological structure of the baleen plates in several Mystacoceti caught off Kuril Island were examined.

Graziadei, P. (1964) 10-12703 M
Nature,Lond., 203(4943):384-6
Receptors in the sucker of the cuttlefish

Stonehouse, B. (1964) 10-12704 M
Nature,Lond., 203(4947):849-51
Emperor penguins at Cape Crozier

Nishioka, R.S. & H.A. Bern 10-12705 M
(1964)
Nature,Lond., 203(4950):1191-2
Secretion masses in the nuclei of the caudal neurosecretory cells of the teleost Albula vulpes

ANON. (1964) 10-12706 M
New Scient., 21(380):526
Campaign to destroy dolphins and porpoises

Moore, J.C. & R.M. Gilmore 10-12707 M
(1965)
Nature,Lond., 205(4977):1239-40
A beaked whale new to the western hemisphere

Reports on the first record of Mesoplodon ginkgodens. Gives characteristics of this rare whale.

ANON. (1965) 10-12708 M
Mondo sommerso, 7(3)
Atlante dei pesci delle coste italiane
(Fish atlas of the Italian coasts). It

Detachable cards, ill., with notes on morphology, reproduction, nutrition and geographical distribution of Crenilabrus cinereus and Trachinotus glaucus.

Ponomarenko, V.P. (1965) 10-12709 M
Dokl.Akad.Nauk SSSR, 161(3):697-700
Razvitie gonad i sroki neresta saiki v Barentsevom more
(Gonad development and terms of spawning of polar cod (Boreogadus saida Lepechin))

Luk'ianenko, V.I. (1964) 10-12710 M
Dokl.Akad.Nauk SSSR, 157(3):737-9
Ob antiteloobrazovatel'noi funktsii u del'finov Phocaena phocaena
(The anti-body formation function on Phocaena phocaena)

Stevenson, R.A. Jr. (1963)C 10-12711 M
Thesis, University of Hawaii, 232 p.
Life history and behavior of Dascyllus albisella Gill, a pomacentrid reef fish

Field observations in depths from 2 to 70 feet, near the Oahu Island, on two endemic Hawaiian spp.
DA 15(1):711.

Smith, J.L.B. (1964) 10-12712 M
Ann.mag.nat.Hist.(13), 7(75):173-6
A new gobiid fish of unusual type from Mozambique

From northern Mozambique Cottogobius platycephalops sp. n. Diagnosis of genus Cottogobius amended.

Smith, J.L.B. (1964) 10-12713 M
Ann.mag.nat.Hist.(13), 7(75):177-83
The rediscovery in South Africa of rare form of labrid fish from Mauritius and its sexual dichromatic relation to Lepidaplois axillaris (Bennett 1831)

Evidence shows albomaculatus as juvenile stage of axillaris, and explains why small juveniles axillaris livery have not previously been described.

Arnold, J.M. (1963)C 10-12714 M
Thesis, University of Minnesota, 170 p.
An embryological study of the squid Loligo pealii

DA 25 (4):2667.

Forrester, C.R. (1964) 10-12715 M
J.Fish.Res.Bd Can., 21(1):9-16
Laboratory observations on embryonic development and larvae of the Pacific cod (Gadus macrocephalus Tilesius)

Kohler, A.C. (1964) 10-12716 M
J.Fish.Res.Bd Can., 21(1):57-100
Variations in the growth of Atlantic cod (Gadus morhua L.)

McKenzie, R.A. (1964) 10-12717 M
J.Fish.Res.Bd Can., 21(1):203-4
Observations on herring spawning off southwest Nova Scotia

Starck, W.A. (1964)C 10-12718 M
Thesis, University of Miami, 274 p.
A contribution to the biology of the gray snapper, Lutjanus griseus (Linnaeus), in the vicinity of Lower Matecumbe Key, Florida

DA 25(3):2116.

Anderson, I.G. & G.A.D. Haslewood (1964) 10-12719 M
Biochem.J., 93:34-9
Comparative studies of 'bile salts'. 20. Bile salts of the coelacanth, Latimeria chalumnae Smith

The bile salts of Latimeria are shown to be the most primitive of any so far examined, and to be indicative of a freshwater history for the coelacanth.
CR 8-01286.

MacKenzie, K. (1964) 10-12720 M
Ann.Mag.nat.Hist.(13), 6(68):505-6
Stichocotyle nephropis Cunningham, 1887 (Trematoda) in Scottish waters

An attempt made to assess the degree of infestation of Nephrops norvegicus and Raja clavata by the aspidogastrid trematode.

Freeman, H.C., P.L. Hoogland & P.H. Odense (1963) 10-12721 M
J.Fish.Res.Bd Can., 20(1):1-11
The nature of an unusual amino acid-pyrimidine complex from the cod parasite, Porrocaecum decipiens

The parasite was collected from the muscle of the atlantic cod, Gadus callarias.

Paloheimo, J.E. (1963) 10-12722 M
J.Fish.Res.Bd Can., 20(1):59-88
Estimation of catchabilities and population sizes of lobsters

Techniques of estimating population size, level of fishing, and the degree of dependence of fishing success on environmental factors are examined on the basis of tagging, catch and effort data. A new method is developed to estimate population size from catch, effort, and temperature data when the catchability varies with temperature.

Townsley, P.M. & M.A. Scott (1963) 10-12723 M
J.Fish.Res.Bd Can., 20(1):243
Systaltic muscular action of the kidney tubules of flounder

Pseudopleuronectes americanus.

Templeman, W. (1963) 10-12724 M
J.Fish.Res.Bd Can., 20(1):253
Additional note on the oceanic puffer Lagocephalus lagocephalus (L.)

Specimen from Bermuda.

ANON. (1965) 10-12725 M
Fish.Newslett.Aust., 24(2):7
W.A. measuring programme

Note on a full-scale measuring and monitoring programme as a contribution to crayfish research.

ANON. (1965) 10-12726 M
Fish.Newslett.Aust., 24(2):9
Victorian research on seals

Note on research to be carried out on seals, with particular reference to their effect on fisheries.

Kesteven, G.L. (1965) 10-12727 M
Fish.Newslett.Aust., 24(2):11, 15
Effect of fishing on fishery resources

Summary of paper presented at Fisheries Management Seminar which discusses the effect of reproduction, recruitment and fishing and natural mortality on a natural population.

Satchell, G.H. (1965) 10-12728 M
Aust.J.Sci., 27(8):240-2
Blood flow through the caudal vein of elasmobranch fish

Measurement of flood pressure in the caudal vein of Heterodontus portusjacksoni, Mustelus antarcticus and Squalus acanthias relating changes in pressure to muscular activity. Anatomy of the heart in above spp. and in Carcharinus greyi Owen is discussed.

Bowen, B.K. & R.G. Chittleborough (1965) 10-12729 M
Fish.Newslett.Aust., 24(3):11, 13, 32
The west's crayfishery and its future

Popular account of analysis of data to ascertain effect of fishing on the population and the future trend of the fishery.

Nishimura, S. (1964) 10-12730 M
Publ.Seto Mar.biol.Lab., 12(2):177-89
Considerations on the migration of the leatherback turtle, Dermochelys coriacea (L.) in the Japanese and adjacent waters

Occurrences of turtles in respective areas and seasons; hypothesis for the migration pattern.

Butcher, A.D. (1965) 10-12731 M
Fish.Newslett.Aust., 24(1):9
New fisheries develop in Victoria

Brief note on the development of scallop, striped tuna and abalone fisheries.

Harrison, G.T. (1965) 10-12732 M
Fish.Newslett.Aust., 24(1):9
Queensland prawning fleet reaps rich reward

Brief note on research being carried out on prawns, mullet and tuna.

Ackman, R.G. & P.M. Jangaard (1965) 10-12733 M
Canad.J.Biochem.Physiol., 43(2):251-6
The grey (Atlantic) seal; fatty acid composition of the blubber from a lactating female

Earlier observations on milk fats on the grey seal Halichoerus grypus are followed up by a gas-liquid chromatographical analysis of the component fatty acids of blubber (depot fat) from a lactating female seal.

Postel, E. (1964) 10-12734 M
Cah.Pacif., (6):29-32
Loche truite et Loche morue (deux Serranidés interessants de Nouvelle-Calédonie)
(Trout loach and cod loach (two interesting serranids of New Caledonia)

Provenance data for Cromileptes altivelis (Valenciennes) and morphological data for Epinephelus kohleri Schultz.

Blanc, M. & P. Fourmanoir (1964) 10-12735 M
Cah.Pacif., (6):33-46
Etude préliminaire des poissons de la côte cambodgienne
(Preliminary study of the fishes of the Cambodian coast)

List of 66 spp.

USFWS. Bureau of Commercial Fisheries (1965) 10-12736 M
News Notes sci.Activ.U.S.Bur.comm.Fish., January 1965: 2 p. (mimeo)

Note on development of improved techniques for preserving tuna bloods and recognition of new blood group system in skipjack; two important advances in blood group research and its application to subpopulation identification.

Kawasaki, S. (1964) 10-12737 M
Bull.Hokkaido Fish.Res.Lab., (29):10-23
(The fishing condition of the squids, Ommastrephes sloani pacificus (Steenstrup), in the coastal area off the Cape of Esan of Hokkaido in autumn). Ni En

Observed migrations and schooling behaviour and their effect on the fishery.

Nishimura, S. & Y. Hirosaki (1964) 10-12738 M
Publ.Seto Mar.biol.Lab., 12(2):165-71
Observations on the swimming behavior of some taeniosomous fishes in aquaria and in nature

Deals with observations made on Trachipterus iris and T. ishikawai; also unpublished data on the field behaviour of Regalecus russellii.

Sato, M. & M. Kurotaki (1964) 10-12739 M
Annot.zool.Jap., 37(4):215-20
Electron microscopy and histochemistry of coloured bodies found in epidermal cells of the goby, *Chaenogobius castanea*

Morphological and histochemical comparison of the coloured bodies with pigmented granules.

Leyendekkers, J.V. (1964) 10-12740 M
Fish.Newslett.Aust., 24(12):23, 29
Why do tuna migrate?

Discussion of feeding and spawning habits and response to environment as factors affecting migration of southern bluefin tuna. Maps show probable migration paths and distribution around Australia.

Mitani, F. & E. Ida (1964) 10-12741 M
Bull.Jap.Soc.sci.Fish., 30(12):968-77
(A study on the growth and age of the jack mackerel in the East China Sea). *Ni*
En

Estimation of age and growth of *Trachurus japonicus* based on study of scales from 610 fishes; demonstration of Lee's phenomenon and determination of von Bertalanffy constants.

Kawakami, T. & T. Kitahara (1964) 10-12742 M
Bull.Jap.Soc.sci.Fish., 30(10):821-7
On the decline in the catch per unit of fishing effort and the diminuation of average body length due to the exploitation of a virgin stock

Mathematical treatment of data on catch per 100 hooks and mean length of hooked yellowfin tuna, giving methods for estimation of mortality (both natural and fishing) coefficients, and other important parameters.

Robinson, E.S. (1965) 10-12743 M
Rec.Aust.Mus., 26(15):341-8
Cestoda (Tetraphyllidea and Trypanorhyncha) from marine fishes of New South Wales

Ill. description of 2 new spp., *Acanthobothrium australis* from *Squalus megalops* and *Dasyrhynchus pacificus* from *Sciaena antarctica*. *Phyllobothrium dohrnii*, *P. lactuca* and *Poecilancistrium caryophyllum* are recorded from Australian fish for the first time.

Hillaby, J. (1965) 10-12744 M
Nation, N.Y., 200(10):245-7
South Atlantic: death of the whales

Report of the International Whaling Commission meeting, Sandefjord.

ANON. (1965) 10-12745 M
Financ.Mail, 16(3):140
Success of a new industry: fishing for anchovies is firmly established as a useful new activity at the Cape

Orton, G.L. (1963) 10-12746 M
Copeia, (1):6-15
Notes on larval anatomy of fishes of the order Lyomeri

Study of three lyomere larvae, two *Leptocephalus latissimus* and one *L. pseudolatissimus*.

Wisner, R.L. (1963)A 10-12747 M
Copeia, (1):16-23
Lampanyctus hubbsi, a new myctophid fish from the east-central tropical Pacific Ocean, with notes on the related, sympatric eastern Pacific species, *L. omostigma* and *L. parvicauda*

Wisner, R.L. (1963) 10-12748 M
Copeia, (1):24-8
A new genus and species of myctophid fish from the south-central Pacific Ocean, with notes on related genera and the designation of a new tribe, Electronini

METELECTRONA ahlstromi is described and figured as a new genus and species. *Electrona*, divided into three genera, and *METELECTRONA*, are classified in a new tribe, Electronini.

Paxton, J.R. (1963) 10-12749 M
Copeia, (1):29-33
A new lanternfish (family Myctophidae) of the genus *Lampadena* from the eastern Pacific Ocean

Lampadena urophaos is described. Apparently a member of the subgenus *Lychnophora*, the new spp. appears to be most closely related to *Lampadena nitida*. The range extends from the San Pedro Basin, California, to just north of Isla de Magdalena, Baja California, México.

Strasburg, D.W. (1963)A 10-12750 M
Copeia, (1):33-40
The diet and dentition of *Isistius brasiliensis*, with remarks on tooth replacement in other sharks

Mansueti, R. (1963)A 10-12751 M
Copeia, (1):40-80
Symbiotic behavior between small fishes and jellyfishes, with new data on that between the stromateid, *Peprilus alepidotus*, and the scyphomedusa, *Chrysaora quinquecirrha*

De Sylva, D.P. & W.P. Davis (1963)A 10-12752 M
Copeia, (1):81-99
White marlin, *Tetrapturus albidus*, in the Middle Atlantic bight, with observations on the hydrography of the fishing grounds

Perlmutter, A. (1963) 10-12753 M
Copeia, (1):168-73
Observations on fishes of the genus *Gasterosteus* in the waters of Long Island, New York

Bleakney, J.S. (1963) 10-12754 M
Copeia, (1):173
First record of the fish *Pogonias cromis* from Canadian waters

Royce, W.F. (1963) 10-12755 M
Copeia, (1):179
First record of white shark (*Carcharodon carcharias*) from southeastern Alaska

Kobayashi, B.N. (1963) 10-12756 M
Copeia, (1):179-80
First record of *Polyipnus laternatus* Garman from the Pacific Ocean

Dawson, C.E. (1963) 10-12757 M
Copeia, (1):181-2
Kyphosus sectatrix (Linnaeus) in the Gulf of Mexico with a new record from Mississippi

Farris, D.A. (1963) 10-12758 M
Copeia, (1):182-4
Reproductive periodicity in the sardine (*Sardinops caerulea*) and the jack mackerel (*Trachurus symmetricus*) on the Pacific coast of North America

McErlean, A.J. (1963) 10-12759 M
Copeia, (1):186
Aquarium behavior of juvenile labrid fishes

Tyler, J.C. (1963) 10-12760 M
Copeia, (1):203-6
A critique of Y. Le Danois' work on the classification of the fishes of the order Plectognathi

Whitehead, P.J.P. (1965) 10-12761 M
Ann.Mag.nat.Hist.(13), 7(78):321-30
A new genus and subgenus of clupeid fishes and notes on the genera *Clupea sprattus* and *Clupeonella*

Nielsen, S-O. & J-O. Strömberg (1965) 10-12762 M
Sarsia, (18):37-62
A new parasite of *Cirolana borealis* Lilljeborg belonging to the Cryptoniscinae (Crustacea Epicaridea)

Okabayashi, S. (1964) 10-12763 M
Bull.Jap.Soc.sci.Fish., 30(10):805-8
(Studies on the bait in trolling. 1. On the fishing effect of ground bait for bonito trolling). *Ni* En

Comparison of catch obtained using anchovy larvae alternatively with ground bait; examination of stomach contents of captured fish.

Okabayashi, S. (1964) 10-12764 M
Bull.Jap.Soc.sci.Fish., 30(11):889-92
(Studies on the bait in trolling. 2. On the death of aliving bait and missing from hook in tuna longline fishery). *Ni* En

Death and hook detachment rates are compared for 3 spp. of bait fish and different hook positions.
Co 10-12763.

Westrheim, S.J. (1965) 10-12765 M
J.Fish.Res.Bd Can., 22(1):231-5
Northern range extensions for four species of rockfish (*Sebastodes goodei*, *S. helvomaculatus*, *S. rubrivinctus*, and *S. zacentrus*) in the North Pacific Ocean

ANON. (1965) 10-12766 M
Norsk Hvalfangst-tid., 54(2):31-2
The antarctic whale stocks

Quotes letter of the Director General of FAO to the International Whaling Commission on the depletion of the whale stocks.

Bannister, J.L. & R. Gambell (1965) 10-12767 M
Norsk Hvalfangst-tid., 54(3):45-60
The succession and abundance of fin, sei and other whales off Durban

Investigated seasonal abundance, migrations and breeding cycles of *Balaenoptera physalus*, *B. borealis*, *Megoptera novaengliae* and *Physeter catodon*.

ANON. (1964) 10-12768 M
Norsk Hvalfangst-tid, 53(12):321-3
Effects of various catch quotas

Quotes a report of the scientific committee to the International Whaling Commission.

ANON. (1965) 10-12769 M
Norsk Hvalfangst-tid., 54(1):1-3
The Antarctic baleen whale stocks

Summarizes the report of the Scientific Committee to the Whaling Commission in which data are given on the stock of fin whale, sei whale, large blue whale and pygmy blue whale.

ANON. (1965) 10-12770 M
Norsk Hvalfangst-tid., 54(1):4-6
Oversikt over fangsten fra landstasjonene pa norskekysten 1964
Survey of whaling operations from land stations on the Norwegian coast 1964. *No*

Scheffer, V.B. & A.M. Johnson (1963)A 10-12771 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish, (450):1-34
Molt in the northern fur seal

Bane, G.W. Jr. (1963)C 10-12772 M
Thesis, Cornell University, 444 p.
The biology of the yellowfin tuna, *Thunnus albacares* (Bonnaterre), in the Gulf of Guinea

DA 24(10):4317.

Henderson, H.F. (1963)C 10-12773 M
Thesis, University of Wisconsin, 181 p.
Orientation of pelagic fishes: (1) Optical problems. (2) Sonic tracking

DA 24(6):2626.

Horne, R.A. & G.R. Frysinger (1963)B 10-12774 M
J.geophys.Res., 68(7):1967-73
The effect of pressure on the electrical conductivity of sea water

Berry, F.H. & I. Barrett (1963) 10-12775 M
Bull.Inter-Amer.trop.Tuna Comm., 7(2):113-90
Gillraker analysis and speciation in the thread herring genus *Opisthonema*
Analisis de las branquispinas y denominación de las especies del arenique de hebra *Opisthonema*

Genus is composed of one Atlantic (*O. oglinum*) and four Pacific species (*O. liberate*; *O. bulleri*; *O. medivastre*; *O. berlangai*.) Occur only in tropical and subtropical waters.

Montagu, A. & J.C. Lilly (1963)BC 10-12776 M
Los Angeles, William Andrews Clark Memorial Library, 55 p.
The dolphin in history

Coleman, W. (1964) 10-12777 M
Quart.Rev.Biol., 39(2):192
The dolphin in history

Re 10-12776.

Chirichigno, N.F. (1963) 10-12778 M
Ser.Divulg.cient.Serv.Pesq.Perú, (19):20 p.
Nuevos tiburones para la fauna del Perú
(New sharks to the fauna of Peru)

Record of Aculeola nigra and Echinorhinus brucus.

Chirichigno, N.F. (1963) 10-12779 M
Ser.Divulg.cient.Serv.Pesq.Perú, (20):13 p.
Nuevas especies de "rayas" para la fauna del Perú
(New species of ray to the fauna of Peru)

Record of four spp. of Urotrygon and of Torpedo tremens peruana n.sp.

Schwartz, F.J. & P.F. Robinson (1963) 10-12780 M
Progr.Fish Cult., 25(3):151-4
Survival of exposed oyster toadfish and biological clocks

Describes survival, oxygen usage, dessication rate and behaviour of Opsanus tau out of water.

IWC. Scientific Committee. Whale marking group (1963) 10-12781 M
5 p., mimeo
Report on whale marking

Sergeant, D. (1963) 10-12782 M
Can.Audubon, 25(2):29-35
Harp seals and the sealing industry

Recent studies show the need for international protection of the east coast seals.

Watson, G.E. (1965)C 10-12783 M
Washington, D.C., Smithsonian Institution, 108 p.
Preliminary Smithsonian identification manual - seabirds of the tropical Atlantic ocean

Manual divided into 4 parts: 1. Seabird distribution and water conditions, at sea identification, recording of observations, and preservation of specimens; 2. Ill. show in-flight drawings of sea birds; 3. Identification of spp; 4. Seabird distributional list and seasonal schedules.

Eziuzo, E.N.C. (1963) 10-12784 M
Bull.Inst.franç.Afr.noire(A), 25(2):488-512
The identification of otoliths from West African demersal fish

Systematic description of otoliths from some demersal fishes from the tropical surface water of the continental shelf off Lagos has been made. It was shown that there are two distinct phases of growth of otoliths. A table for identification is given.

Cadenat, J. (1963) 10-12785 M
Bull.Inst.franç.Afr.noire(A), 25(2):526-37
Notes d'ichthyologie ouest-africaine. 39. Notes sur les requins de la famille des Carchariidae et formes apparentées de l'Atlantique ouest-africain (avec la description d'une espèce nouvelle: Pseudocarcharias pelagicus, classée dans un sous-genre nouveau)
(Notes on West African ichthyology. 39. Notes on the sharks of the family Carchariidae and close forms from the western African Atlantic (with description of one new species: Pseudocarcharias pelagicus, classified in a new sub-genus))

Co 62-06682.

Saito, Y. (1964) 10-12786 M
Fishery Propag.Ser.,Tokyo, (2):40 p.
(Cultivation of Undaria pinnatifida (Harv.) Sur (Wakame)). Ni

Mitani, F. (1964) 10-12787 M
Fishery Res.Ser.,Tokyo, (1):40 p.
(Notes on the ecology and fisheries of the yellowtail, Seriola quinqueradiata T. et S., of the Japanese waters). Ni

Aoyama, T. (1964) 10-12788 M
Fishery Res.Ser.,Tokyo, (2):40 p.
(The study of the mesh selection of trawl nets, with special reference to the mesh regulations on the Japanese trawl fishery in the East China and Yellow Seas). Ni

Murakami, S. et al. (1964) 10-12789 M
Fishery Res.Ser.,Tokyo, (3):60 p.
(Conservation of demersal fish resources in the East China and the Yellow Seas). Ni

Hotta, H. (1964) 10-12790 M
Fishery Res.Ser.,Tokyo, (4):96 p.
(Biological studies and fisheries of the saury, Cololabis saira (Brevoort)). Ni

Øynes, A.P. (1964) 10-12791 M
Fisk.og Hav., (5):14 p.
Sel pa norskekysten fra Finnmark til Møre
(Seal on the Norwegian coasts from Finnmark to Møre). No

Deals with populations of seals on Norwegian coast with emphasis on size of populations. There is a total of 7 species of seal observed in the coastal areas of Norway. Chief spp. are Halichoerus grypus, Phoca vitulina, Pusa hispida, Pagophilus groenlandicus, Cystrophora cristata, Erignatus barbatus, Odobenus rosmarus. Research were carried out during summer and autumn of 1963.

Popova, V.P. (1961) 10-12792 M
Ryb.Khoz., 3:24-30
Nabliudeniia za sardinoi v raione Takoradi
(Observations on the pilchard in the Takoradi area)

Smirnova, E.N. (1961) 10-12793 M
In Raboty po ekologicheskoi morfologii i fiziologii ryb (Papers on the ecological morphology and physiology of fishes)
Trudy Inst.Morf.Zhivot., 33:219 p.
Morfo-ekologicheskie osobennosti razvitiia kutuma
(Morphoecological characteristics of Rutilus frisii kutum growth)

Popova, K.S. (1961) 10-12794 M
In Raboty po ekologicheskoi morfologii i fiziologii ryb (Papers on the ecological morphology and physiology of fishes)
Trudy Inst.Morf.Zhivot., 33:219 p.
Vliianie golodaniia na razvitie kutuma v nachale lichinochnogo perioda zhizni
(Effect of hunger on the development of Rutilus frisii kutum at the beginning of the larval period)

Savvaitova, K.A. (1961) 10-12795 M
Nauch.Dokl.vyssh.Shk.(biol.), 2:37-41
O sistematike gol'tsov roda Salvelinus (Salmonidae) iz basseina Vostochno-Sibirskogo moria
(Systematics of the genus Salvelinus (Salmonidae) from the East Siberian Sea)

Shaverdov, R.S. (1961)C 10-12796 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-letn.deiatel'nosti Novorossiisk biol.st., 51-2
Nekotorye nabliudeniia Gruzinskoi rybokhoziaistvennoi stantsii, osveshchaiushchie problemu kr. stavridy Chernogo moria
(Some observations of the Georgian fishery station on the problem of the Black Sea horse mackerels)

Kryshtyn, E.G. (1961)C 10-12797 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-letn.deiatel'nosti Novorossiisk biol.st., 45-7
Materialy po biologii chernomorskoi barabuli
(Data on the biology of the Black Sea mullet)

Nazarov, V.M. (1961)C 10-12798 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk biol.st., 49-50
K biologii morskogo ersha Novorossiiskoi bukhty
(Biology of the rock perch in the Novorossiisk Bay)

Nizovtsev, G.P. (1961) 10-12799 M
Nauch.tekh.Biull.vsesoiuz.nauch.-issled.Inst. ozer.rech.ryb.Khoz., 1(15):50-2
Pitanie treski v severo-zapadnykh raionakh Barentseva moria. Rezul'taty nabliudenii, provedennykh v 11 i 19 reisakh e/s TURNETS
(Cod feeding in the north-western areas of the Barents Sea. Observation results from the 11th and 19th voyages of the expeditionary ship TURNETS)

Solov'ev, B.S. (1961) 10-12800 M
Nauch.tekh.Biull.vsesoiuz.nauch.-issled.Inst. ozer.rech.ryb.Khoz., 1(15):53-4
Ob osobennosti povedeniia sel'di na mestakh zimovki v 1960 g. i rezul'tatakh sovmestnykh rabot podvodnoi lodki SEVERIANKA i e/s PROFESSOR MESIATSEV
(Peculiarities of the herring behaviour in 1960 over-wintering sites and results of combined operations by the submarine SEVERIANKA and the expeditionary ship PROFESSOR MESIATSEV)

Dollfus, R.Ph. (1963) 10-12801 M
Bull.Inst.Pêch.marit.,Maroc, (9-10):33-57
Liste des Coelentérés marins, paléarctiques et indiens, où ont été trouvés des Trematodes digénétiques
(List of palearctic and Indian marine Coelenterata, on which digenetic Trematoda have been found). En De

Reports on observations of Distoma larvae of Coelenterata, mainly from plankton, of the super-families Lepocreadioidea, Hemiuroidea, and Accacoelioidea.

Laws, R.M. & J.T. McFadden (1963) 10-12802 M
In Encyclopaedia Britannica, Vol. 23:603-5
Wildlife conservation: conservation of sea ammals and fish

Brief summary concerning whales, seals and salt and freshwater fish.
Issued also as: Coll.Repr.nat.Inst.Oceanogr., 11(450).

Brown, S.G. (1963) 10-12803 M
Polar Rec., 11(74):555-66
A review of Antarctic whaling

Attempts to review the present position of the industry, first dealing very briefly with the biology of the commercially important whales and the history of whaling generally and then discussing the development of Antarctic whaling and the events which have led to the present situation. Eubalaena glacialis, Balaenoptera musculus, B. physalus, B. borealis, Megaptera novaeangliae, Physeter cotodon.

Parin, N.V. (1961)B 10-12804 M
Trud.Inst.Okeanol., 45:259-78
(The distribution of deep-sea fishes in the upper bathypelagic layer of the subarctic waters of the northern Pacific Ocean). Ru

Parin, N.V. (L.Penny, Transl.) 10-12805 M (n.d.1964)
Washington, Bureau of Commercial Fisheries, 21 p.
The distribution of deep-sea fishes in the upper bathypelagic layer of the subarctic waters of the northern Pacific Ocean

En 10-12804.

Parin, N.V. (1961)B 10-12806 M
Trud.Inst.Okeanol., 42:40-91
(Contribution to the knowledge of the flying-fish fauna (Exocoetidae) of the Pacific and Indian Oceans). Ru

Parin, N.V. (L.Penny, Transl.) 10-12807 M (n.d.1964)
Washington, Bureau of Commercial Fisheries, 42 p.
Contribution to the knowledge of the flyingfish fauna (Exocoetidae) of the Pacific and Indian Oceans

En 10-12806.

Thomas, H.J. (1964) 10-12808 M
Scot.Fish.Bull., (21):6-9
Artificial hatching and rearing of lobsters - a review

Reshetnikov, S.S. (1963) 10-12809 M
Dokl.Akad.Nauk SSSR, 153(5):1190-2
(Afferent innervation of the esophagus of the turtle (Testudo horsfieldii). Ru

Reshetnikov, S.S. (1964) 10-12810 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 153(1-6):1563-5
Afferent innervation of the esophagus of the turtle (Testudo horsfieldii)

En 10-12809.

Lozovik, V.I. (1963)B 10-12811 M
Dokl.Akad.Nauk SSSR, 153(1):225-8
(Effect of water salinity on the development of the glomerular apparatus in the kidneys of marine teleosts). Ru

Investigates the kidneys of 23 spp. from Black Sea, Mediterranean Sea and Barents Sea.

Lozovik, V.I. (1964) 10-12812 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 153(1-6):1655-9
Effect of water salinity on the development of the glomerular apparatus in the kidneys of marine teleosts

En 10-12811.

Martin, W.R. & Y. Jean (1964) 10-12813 M
J.Fish.Res.Bd Can., 21(2):215-38
Winter cod taggings off Cape Breton and offshore Nova Scotia Banks, 1959-62

Thomas, M.L.H. & H.R. McCrimmon (1964) 10-12814 M
J.Fish.Res.Bd Can., 21(2):239-46
Variability in paper electrophoretic patterns of the serum of landlocked sea lamprey, Petromyzon marinus Linnaeus

Spalding, D.J. (1964) 10-12815 M
J.Fish.Res.Bd Can., 21(2):415-7
Age and growth of female sea lions in British Columbia

Reports some results on the general biology of Eumetopias jubata.

Fridriksson, A. (Ed.)(1963) 10-12816 M
Statist.News Lett.int.Coun.Explor.Sea, (16): 87 p.
Herring - North Sea 1961. Stock records

Length distributions, age-length keys, counts of vertebrae, gill-rakers and fin rays of Clupea harengus reported by ICES members from catch-samples from N.Sea, Norwegian coast and the Belts, by all types of vessels.

Kallman, K.D. & R.W. Harrington, Jr. (1964) 10-12817 M
Biol.Bull.,Woods Hole, 126(1):101-15
Evidence for the existence of homozygous clones in the self-fertilizing hermaphroditic teleost Rivulus marmoratus (Poey)

The fish used were collected near Vero Beach, Florida.

Stunkard, H.W. (1964) 10-12818 M
Biol.Bull.,Woods Hole, 126(1):163-73
The morphology, life-history, and systematics of the digenetic trematode, Homalometron pallidum Stafford, 1904

Randall, J.E. (1963) 10-12819 M
Copeia, (2):225-37
Notes on the systematics of parrotfishes (Scaridae), with emphasis on sexual dichromatism

Demonstration of new examples of sexual dichromatism among scarids.

Iwai, T. (1963) 10-12820 M
Copeia, (2):271-4
Taste buds on the gill rakers and gill arches in the sea catfish, Plotosus anguillaris (Lacépède)

Describes the taste buds on the branchial apparatus of the species.

Springer, S. & R.H.Lowe (1963) 10-12821 M
Copeia, (2):245-51
A new smooth dogshark, Mustelus higmani, from the equatorial Atlantic coast of South America

A new shark is described from the coast of Surinam. Its geographical and vertical distribution, feeding habits as shown by stomach contents, and availability to fishing gear are discussed.

Eisler, R. (1963) 10-12822 M
Copeia, (2):275-7
Partial albinism and ambicoloration in winter flounder, Pseudopleuronectes americanus

Unusual pigmentation pattern of two juvenile Pseudopleuronectes is described and compared to similar patterns in other genera of heterosomids.

Richards, S.W., A. Perlmutter & D.C. Mcaneny (1963) 10-12823 M
Copeia, (2):358-77
A taxonomic study of the genus Ammodytes from the east coast of North America (Teleostei: Ammodytes)

Two species A. hexapterus Pallas, 1831 and A. dubius Reinhardt, 1838, are recognized from the collections from Hudson Bay - western Greenland to Virginia along the coast of North America. A discussion of the nomenclatural confusion concerning this genus is included. HR:hr

Walters, V. (1963)A 10-12824 M
Copeia, (2):260-70
The trachipterid integument and an hypothesis on its hydrodynamic function

Perkins, H.C. (1963)A 10-12825 M
Copeia, (2):292-5
Redescription and second known record of the bothid fish, Monolene asaedai Clark

Deubler, E.E. & G.S. Posner (1963)A 10-12826 M
Copeia, (2):312-17
Response of postlarval flounders, Paralichthys lethostigma, to water of low oxygen concentrations

Moulton, J.M. (1963) 10-12827 M
Copeia, (2):434-5
The recapture of a marked leatherback turtle in Casco Bay, Maine

Cornman, I. (1963) 10-12828 M
Copeia, (2):450-1
Aggressive activity among barracuda in confined space

Springer, V.G. (1963) 10-12829 M
Copeia, (2):452-4
Two species of Indo-west Pacific blenniid fishes erroneously described from the western Atlantic Ocean

Walters, V. (1963) 10-12830 M
Copeia, (2):455-7
On two hitherto overlooked teleost families: Guentheridae (Ateleopodiformes) and a Radiicephalidae (Lampridiformes)

Grey, M. (1963) 10-12831 M
Copeia, (2):457
Rediscovery of the type specimen of Alepocephalus owstoni Tanaka 1908

Kooyman, G.L. (1963) 10-12832 M
Copeia, (2):457-8
Erythrocyte analysis of some Antarctic fishes

Matsumoto, W.M. (1963) 10-12833 M
Copeia, (2):460-2
Unique shape of the first elongate haemal spine of albacore, Thunnus alalunga (Bonnaterre)

Rosenblatt, R.H. (1963) 10-12834 M
Copeia, (2):462-4
Differential growth of the ilicium and second dorsal spine of Antennatus strigatus (Gill) and its bearing on the validity of A. reticularis (Gilbert)

Jones, R. (1966) 10-12835 M
FAO Fish.tech.Pap., (51) Suppl. 1:90 p.
Manual of methods for fish stock assessment. Part. 4. Marking. The use of marking data in fish population analysis
Manuel sur les méthodes d'évaluation des stocks ichtyologiques. Part 4. Marquage. L'utilisation des données du marquage dans l'analyse des populations de poissons
Manual de métodos para la evaluación de los stocks de peces. Parte 4. Marcado. Utilización de los datos de marcado en el análisis de las poblaciones de peces

Discusses theory of tagging experiments for determination of population size, mortality and growth estimations and determination of dislocation. Demonstrates application of methods by examples. CR 10-12455, 10180.

Fisher, L.R. (1964) 10-12836 M
Mar.Res., (2):18 p.
Vitamin A, carotenoids and total lipids in the livers of some elasmobranchs

Palmer, E. & G. Weddell (1964) 10-12837 M
Proc.zool.Soc.Lond., 143(4):553-68
The relationship between structure, innervation and function of the skin of the bottle nose dolphin (Tursiops truncatus)

Study of skin from different sites is presented and findings evaluated in light of behavioural studies. Suggestion is made that skin plays important part in economy of animal by (1) insuring fully laminar flow at high speed and (2) the detection and location of low-frequency vibrations of focal origin.

Suda, A. (1964) 10-12838 M
Rep.Nankai Fish.Res.Lab., (20):1-15
(Catch variations in the North Pacific albacore. 5. The speculations about the influences of fisheries on the catch and abundance of the albacore in the northwest Pacific by use of some simplified mathematical models (Preliminary report)). Ni En

Attempt to construct some simplified models, based on biological data, for the immature stocks in the North Pacific current area and the spawning stock in the ascertain abundance under various conditions; discussion of the problems resulting from models.
Co 9-04401.

Kimura, M. (1964) 10-12839 M
Bull.Jap.Soc.sci.Fish., 30(2):114-21
(Studies on diseases of fish under culture. 2. On a bacterial disease of the yellow tail, Seriola quinqueradiata T. et S.). Ni En

Lists symptoms of disease.
Co 9-09400.

Sasaki, T. et al. (1964) 10-12840 M
J.oceanogr.Soc.Japan, 20(4):168-78
(Studies on the container for disposing radioactive wastes into the sea. 2. On the permeability and diffusion in mortar samples. (1)). Ni En

Reports experiments carried out in study of diffusion in the container wall, and using NaCl solution as a tracer.
Co 9-09065.

USFWS. Bureau of Commercial Fisheries (1964) 10-12841 M
News Notes sci.Activ.U.S.Bur.comm.Fish., April 1964:3 p., mimeo
Larvae and juveniles of wahoo, Acanthocybium solandri

Description of larval development throughout available size range of 2.82 to 17.81 mm.; suggestions concerning occurrence and distribution of the adults; occurrence of larvae in relation to water temperature and seasons.

Okuno, R. (1963) 10-12842 M
Publ.Seto Mar.biol.Lab., 11(2):281-336
Observations and discussions on the social behaviours of marine fishes

Observations on social behaviour (of 130 spp.) in natural habitat, schooling behaviour in large tank and chasing behaviour in small tank. Discussion of fish behaviour in small tank compared with behaviour in natural habitat, and schooling behaviour of marine fish in relation to habitat.
Issued also as: Contr.Seto Mar.biol.Lab., (404). Contr.Suma Aquar.Kobe City, (35).
:aem

Mathisen, O.A. & R.J. Lopp (1963) 10-12843 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (424):20 p.
Photographic census of the Steller sea lion herds in Alaska, 1956-58

An aerial survey made with a view to assessing the importance of sea lions as salmon predators. A partial census of harbor seals is discussed.

McCann, J.A. & F.A. Dreyer 10-12844 M
(1963)A
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish.,
(439):113 p.
Length and age frequency samples collected
from Georges Bank and Gulf of Maine
haddock landings, 1956-1960

McCann, J.A. & F.A. Dreyer 10-12845 M
(1963)A
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish.,
(438):127 p.
Length and age frequency samples collected
from Georges Bank haddock landings, 1931-1955

Symposium on Scombroid Fishes, 10-12846 M
Mandapam Camp, Jan. 12-15, 1962 (1964)
Symp.Ser.mar.biol.Ass.India, 1(1):564 p.
Proceedings of the ..... Part 1

Proceedings of the Symposium containing opening speeches, recommendations approved, list of participants and full text of technical papers contributed to the meeting.
Do 61-213me. CR 62-03274, 62-05524, 8-05004, 8-05336, to 8-05345, 8-05348 to 8-05352, 8-05411 to 8-05414, 8-05482 to 8-05484.

Symposium on Scombroid Fishes, 10-12847 M
Mandapam Camp, Jan. 12-15, 1962 (1964)
Symp.Ser.mar.biol.Ass.India, 1(2):798 p.
Proceedings of the .....Part 2

Contains full text of technical papers presented to the symposium.
Do 61-213me. Co 10-12846. CR 8-05353, 8-05354, 8-05356, 8-05359 to 8-05363, 8-05365 to 8-05367, 8-05369, 8-05370, 8-05375, 8-05377, 8-05378, 8-05380, 8-05386, 8-05414, 8-05442, 8-05532.

Jónsson, J. (1964) 10-12848 M
Aegir, 57:395-405
(Whaling in Icelandic waters). Is En

Templeman, W. & H.J. Squires 10-12849 M
(1963)
J.Fish.Res.Bd Can., 20(2):273-8
Three records of the black scabbard fish,
Aphanopus carbo Lowe, from the Canadian
region of the western Atlantic

Three females, two from the Newfoundland shelf in 1959, one from off Sable Island Bank, all at between 550 & 750 m.

Wilder, D.G. (1963) 10-12850 M
J.Fish.Res.Bd Can., 20(2):305-18
Movements, growth and survival of marked
and tagged lobsters liberated in Egmont
Bay, Prince Edward Island

Records of survival growth and migrations of punch-marked lobsters released in 1954 and 1955.

Saunders, R.L. (1963) 10-12851 M
J.Fish.Res.Bd Can., 20(2):373-86
Respiration of the Atlantic cod

Studies oxygen uptake in a continuous flow respirometer using sodium azide Winkler method for determinations. The effects of size, temperature handling, crowding, and reduced oxygen levels on the respiration rate, were investigated.

Tibbo, S.N. & T.R. Graham 10-12852 M
(1963)
J.Fish.Res.Bd Can., 20(2):435-49
Biological changes in herring stocks
following an epizootic

The decline of landings in an area of the St. Lawrence from 11.340 metric tons in 1947 to 5443 metric tons in 1959 is attributed to an outbreak of fungus (Ichthyosporidium hoferi) disease reaching a climax in the mid 1950's. Data show mean lengths have not changed, mean ages have decreased, growth rates and the relative abundance of autumn fish have increased.
FiB:cmhh

Jean, Y. (1963) 10-12853 M
J.Fish.Res.Bd Can., 20(2):497-524
Discards of fish at sea by northern New Brunswick draggers

Large mesh nets, (used since 1957) are thought to have reduced cod discards 1.3 times more than size restrictions, for cull in 1961. Discards of cod have fallen from about 7 million in 1957 to an estimated 1 million in 1961. Plaice discards have increased over the same period due to larger recruitment of young year classes. Most cod and plaice are dead when returned to the sea. Suggests that large mesh codends might improve St. Lawrence cod landings over a long-term.

McCracken, F.D. (1963) 10-12854 M
J.Fish.Res.Bd Can., 20(2):551-86
Seasonal movements of the winter flounder, *Pseudopleuronectes americanus* (Walbaum), on the Atlantic coast

Distribution and seasonal movements are related to environmental factors. (Salinity, temperature, light). Deals mainly with the Canadian coast but reviews the U.S. areas briefly. Reports laboratory studies on lethal temperatures and light reactions, and finds that response to temperature is more important in migrations. Gives short discussion on economic implications.

Thomas, H.J. (1964) 10-12855 M
Res.Rep.U.S.Fish.Wildl.Serv., (63):21-8
Notes from the aquarium of the marine laboratory, Aberdeen

Babel, J.S. (1963)C 10-12856 M
Thesis, University of Southern California, 275 p.
Reproduction, life history and ecology of the round stingray, *Urolophus halleri* Cooper

DA 24(8)3061.

ANON. (1963) 10-12857 M
J.sci.industr.Res., 22(1):59
Measurement of velocity and direction of ocean currents

Short account of a current meter developed by the physical oceanography laboratory Japan, capable of measuring velocities between 0.19 - 6 knots, and direction with an average error of 8 degrees, signals being transmitted through short-wave radio to a shore station.

Danforth, C.G. (1963)C 10-12858 M
Thesis, Oregon State University, 116 p.
Bopyridian (Crustacea, Isopoda) parasites found in the eastern Pacific of the United States

DA 24(8)3468.

Hess, P.W. (1963)C 10-12859 M
Thesis, University of Delaware, 65 p.
Glucose and fructose in the maternal and fetal dogfish *Squalus acanthias* and *Mustelus canis*

DA 24(8)3472.

Lyons, E.T. (1963)C 10-12860 M
Thesis, Colorado State University, 109 p.
Biology of the hookworm, *Uncinaria lucasi* Stiles. 1901, in the northern fur seal, *Callorhinus ursinus* Linn. on the Pribilof Islands, Alaska

DA 24(8)3474.

Corkum, K.C. (1963)C 10-12861 M
Thesis, Louisiana State University, 226 p.
A taxonomic and distributional study of the family Bucephalidae (Trematoda) in the northern Gulf of Mexico

DA 24(12)5620.

Nahhas, F.M. (1963)C 10-12862 M
Thesis, Purdue University, 216 p.
Digenetic trematodes from marine fishes of Curaçäo and Jamaica

DA 24(12)5626.

Wachtel, A.W. (1962)C 10-12863 M
Thesis, Columbia University, 133 p.
The ultrastructure of electric organs and its relation to muscle

Experiments carried out with species of genera Narcine, Torpedo, Raja, Malapterurus, Astroscopus and Electrophorus.
DA 24(12)5633.

Roppel, A.Y., A.M. Johnson & D.G. Chapman (1965) 10-12864 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (497):60 p.
Fur seal investigations, Pribilof Islands, Alaska, 1963

Gives data on fisheries, tagging, growth, reproduction and population dynamics.

ANON. (1965) 10-12865 M
Mondo sommerso, 7(1)
Atlante dei pesci delle coste Italiane
(Fish atlas of the Italian coasts). It

Detachable cards, ill. with notes on morphology, reproduction, nutrition and geographical distribution of Lichia amia (L.) 1758, and Naucrates ductor (L.) 1758.

Borodulina, O.D. (C.A. McLean Transl.) (1965)A 10-12866 M
Lowestoft, mimeo, 15 p.
Some data on the biology of the argentine Argentina silus (Ascanius)

En 9-12398.

Woodhead, P.M.J. (1963) 10-12867 M
World Fish., 12(5):63-8
Number three in our series on fish behaviour - Concentrating factors in fisheries

Third article in a series on fish behaviour; considers the influence of temperature, salinity and oxygen, and fishing with lights.

Fedorov, V.V. & M.Iu. Kulikov (1964) 10-12868 M
Dokl.Akad.Nauk SSSR, 157(5):1243-4
O poimke lampanikta Dzhorena (Lampanyctus jordani Gilbert) v iugo-vostochnoi chasti Beringova moria
(Lampanyctus jordani Gilbert caught in the southeastern part of the Bering Sea)

Okutani, K., Y. Hayasaki & M. Kimata (1964) 10-12869 M
Bull.Jap.Soc.sci.Fish., 30(11):926-9
(Studies on chitin-decomposing bacteria present in the digestive tract of aquatic animals. 1. The number of chitin-decomposing bacteria in Japanese sea-bass, Lateolabrax japonicus). Ni En

Study carried out to demonstrate the population of chitin-decomposing bacteria present in the digestive tract; effect of some environmental conditions on bacterial counts are ascertained.
:aem

Mitani, F. & E. Ida (1964) 10-12870 M
Bull.Jap.Soc.sci.Fish., 30(12):978-82
(Studies on the resources of the jack mackerel, Trachurus japonicus (Temminck et Schlegel), in the East China Sea. 1. Survival rate). Ni En

Estimation of age composition in each year class of T. japonicus caught in the East China Sea as basis to calculation of yearly survival rate, also annual trend in survival rate of aged fish.

Tiews, K. (1963) 10-12871 M
Fischerblatt, 11(6):120-6
Die norwegische Tiefseegarnele - ein Fischereiobjekt von ständig wachsender Bedeutung
(The Norwegian deep-sea prawn - object of fishery of steady growing importance)

Nahhas, F.M. & R.B. Short 10-12872 M
(1965)
Tulane Stud.Zool., 12(2):39-50
Digenetic trematodes of marine fishes from
Apalachee Bay, Gulf of Mexico

Forty-eight species of Digenea are reported from 43 spp. of fishes. Three new spp. are described: *Genitocotyle cablei* (Opecoelidae) *Lepocreadium brevoortiae* (Lepocreadiidae) and *Pseudoacanthostomum floridensis* (Cryptogonimidae).

Murgoci, A. (1964) 10-12873 M
Rev.roum.Biol.(Zool.), 9(5):297-306
Contribution à la connaissance des
Gobiesocides (Ordre des Xenopterygii)
de la Mer Noire
(Contribution to the knowledge of
Gobiesocidae (Order Xenopterygii) of the
Black Sea)

Two endemic subspecies of *Diplecogaster bimaculata* are described and other spp. of this family are discussed.

ANON. (1963) 10-12874 M
Allg.FischwirtschaftZtg., 15(11):13-4
Schollenzucht
(Breeding of plaice)

Woodhead, P.M.J. (1963) 10-12875 M
World Fish., 12(6):125-9
Number four in our series on fish
behaviour. Concentrating factors in
fisheries. 2

Outlines best prospects in behaviour studies that give promise of yielding results of value to the practical fisherman and the fisheries scientist.
Co 10-12867.

TeWinkel, L.E. (1963) 10-12876 M
J.exp.Zool., 152(2):123-30
Notes on the smooth dogfish, *Mustelus canis*,
during the first three months of gestation.
2. Structural modifications of yolk-sacs and
yolk-stalks correlated with increasing
absorptive function

Yolk-sacs expansion, correlations between the histological structure and functions of the yolk-sacs, changes in the histology of the yolk-stalks, evidence of pinocytosis are discussed.
Co 9-11195.

Gerasimov, V.V. (1962) 10-12877 M
Dokl.Akad.Nauk SSSR, 146(6):1456-9
Dinamika imitatsionykh uslovnykh refleksov
u nekotorykh morskikh ryb (treska, saida,
piksha)
(Dynamics of imitation conditioned reflexes
in several marine fish (cod, coalfish, and
haddock))

PA 38(1)518.

Bara, G. (1965) 10-12878 M
Gen.comp.Endocr., 5:284-96
Histochemical localization of Δ^5 - 3 β -.
Hydroxysteroid dehydrogenase in the ovaries
of a teleost fish, *Scomber scomber* L.

Randall, J.E. (1965) 10-12879 M
Ecology, 46(3):255-60
Grazing effect on sea grasses by herbivorous
reef fishes in the West Indies

Schroeder, R.E. (1964)C 10-12880 M
Thesis, University of Miami, 178 p.
Ecological studies of the intestinal
trematodes of the gray snapper, *Lutjanus
griseus* (Linnaeus), in the vicinity of
lower Matecumbe Key, Florida

DA 25(9)5460.

Holliday, F.G.T. & M.P. Jones 10-12881 M
(1965)
J.Mar.biol.Ass.U.K., 45(2):305-11
Osmotic regulation in the embryo of the
herring (*Clupea harengus*)

Iles, T.D. & R.J. Wood (1965) 10-12882 M
J.Mar.biol.Ass.U.K., 45(2):353-66
The fat/water relationship in North Sea
herring (*Clupea harengus*), and its
possible significance

Gulland, J.A. (1964) 10-12883 M
J.Cons., 29(2):158-65
Variations in selection factors, and mesh
differentials

Analyses experiments with sets of covered net hauls for demersal fishes in North Atlantic; the biggest source of variation is a real difference between sets of hauls either in the fish (fatter when feeding, etc.) or in the gear, e.g. different treatment of the twine.

Iles, T.D. (1964) 10-12884 M
J.Cons., 29(2):166-88
The duration of maturation stages in herring

Applies a method of plotting maturation stages against time for northeast Atlantic herring data.

Symonds, D.J. (1964) 10-12885 M
J.Cons., 29(2):189-204
Racial studies on Manx herring stocks

Studies the number of vertebrae, the calculated length of the fish at the formation of the first winter ring on the scale l_1 and the type of the first hyaline zone on otoliths.

Han, V.C.F. (1962) 10-12886 M
In 10-10221:38-49
The Australian fishery for morwong

Reports the history of the fishery, the effort expended, catch taken and composition of the catch.

Malcolm, W.B. (1962) 10-12887 M
In 10-10221:50-2
Australian salmon

Describes the identification of two stocks of sub-specific status, distribution and accessibility and the differential distribution of adults and juveniles.

Chittleborough, R.G. (1962) 10-12888 M
In 10-10221:63-4
Analysis of the condition of whale stocks

Summary of evidence on changes in structure and abundance of the populations of humpback whales of the group 4 population.

Hynd, J.S. (1962) 10-12889 M
In 10-10221:141-6
Control of a pearlshell fishing ground

Discussion of the yields obtainable from a pearlshell ground in Endeavour Strait under various regimes of exploitation.

Barr, W.A. & B.M. Hobson (1964) 10-12890 M
Gen.comp.Endocr., 4:608-13
Endocrine control of the sexual cycle in the plaice, Pleuronectes platessa L. 4. Gonadotropic activity of the pituitary gland

Co 9-03426.

Folsom, T.R. & D.R. Young (1965) 10-12891 M
Nature,Lond., 206(4986):803-6
Silver-110m and cobalt-60 in oceanic and coastal organisms

Several spp. of Cephalopoda, Mollusca, and Pisces from Pacific Ocean were investigated.

O'Gorman, F. (1963) 10-12892 M
New Scient., 20(365):374-6
The return of the Antarctic fur seal

Anwand, K. (1963) 10-12893 M
Z.Fisch., 11(7/8):533-8
Über einige Abnormitäten und Missbildungen beim Hering (Clupea harengus L.)
(Some abnormalities and deformities in herring, Clupea harengus L.)

Berner, M. & J. Waldmann (1963) 10-12894 M
Z.Fisch., 11(7/8):589-616
Meristische und qualitative Untersuchungen am Rügenschen Frühjahrshering (Clupea harengus L.) in den Jahren 1954 und 1958
(Meristic and qualitative investigations on the Rügen spring-spawning herring in the period 1954-1958)

Berner, M. (1963) 10-12895 M
Z.Fisch., 11(7/8):617-73
Der Dorschbestand (Gadus morhua L.) der Mecklenburger Bucht, verglichen mit dem Dorschbestand auf Adlergrund
(Cod stock of the Mecklenburger Bay in comparison to the cod stock in the Adlergrund)

Anwand, K. (1963) 10-12896 M
Int.Rev.Hydrobiol., 48(2):315-23
Markierungen an Rügenschen Frühjahrsheringen im Jahre 1961
(Markings of Rügen springherring in 1961)

Clupea harengus marked with polystyrol tags.

Littlepage, J.L. (1963)A 10-12897 M
Ecology, 44(4):775-7
Diving behavior of a Weddell seal wintering in McMurdo Sound, Antarctica

Gobillard, M.-O. (1963) 10-12898 M
Vie et Milieu, 14(1):97-105
Sur une Grégarine parasite de Copépodes Pélagiques
(A gregarina parasite of pelagic copepods)

Methods of collection, location of individuals, development of parasite found in Clausocalanus arcuicornis & Calanus gracilis.

Bannister, J.L. (1963) 10-12899 M
Proc.zool.Soc.Lond., 141(4):811-22
An intersexual fin whale Balaenoptera physalus (L.) from South Georgia

Describes the reproductive organs.

O'Gorman, F. (1963) 10-12900 M
Proc.zool.Soc.Lond., 141(4):837-50
Observations on terrestrial locomotion in Antarctic seals

Describes type of progression found in Lobodon carcinophagus, Hydrurga leptonyx and Leptonychotes weddelli.

Briggs, J.C. (1963) 10-12901 M
Copeia, (4):604-6
A new clingfish of the genus Gobiesox from the Bahamas

Gobiesox lucayanus, the new spp., is most closely related to G. nigripinnis (Peters), a form known to range from the British Virgin Islands to the Venezuelan coast.

Stevenson, R.A. (1963) 10-12902 M
Copeia, (4):612-4
Behavior of the pomacentrid reef fish Dascyllus albisella Gill in relation to the anemone Marcanthia cookei

Aquarium observations show that juvenile fish have a characteristic behavior pattern by which they become acclimated to their anemone host. The similarity between this behavior pattern and the behavior pattern by which the anemone fish Amphiprion percula develops an immunity to the nematocysts of its host shows the intimacy of the association.
FiB:hr

Breder, M. Jr. (1963) 10-12903 M
Copeia, (4):698-700
Defensive behavior and venom in Scopaena and Dactylopterus

Moe, M.A. Jr. (1963) 10-12904 M
Copeia, (4):703
Partial albinism in a xanthic specimen of Epinephelus morio (Valenciennes) from the Gulf of Mexico

Boyd, J.M. (1963) 10-12905 M
Proc.zool.Soc.Lond., 141(4):635-61
The grey seal (Halichoerus grypus Fab.) in the Outer Hebrides in October 1961

Surveys the breeding status and points out the increase in stocks throughout the last century.

Nielsen, J.G. (1963) 10-12906 M
Copeia, (3):528-33
On the development of Cheilodactylus variegatus Valenciennes 1833 (Cheilodactylidae)

Comparisons of larval and juvenile forms collected in the Peru Current with adults. C. elongatus considered synonymous with C. variegatus.

Sindermann, C.J. & K.A. Honey (1963) 10-12907 M
Copeia, (3):534-7
Electrophoretic analysis of the hemoglobins of Atlantic clupeoid fishes

Hemoglobins of five species were analyzed by agar electrophoresis for possible variant patterns that could be used to determine discreteness of subpopulations. *Clupea harengus* was sampled throughout much of its area of abundance in the western North Atlantic Ocean, and at various ages and maturity conditions, without finding variant hemoglobin patterns.

Caldwell, D.K. (1963) 10-12908 M
Copeia, (3):568-9
Second record of the logger head sea turtle, *Caretta caretta gigas*, from the Gulf of California

Collette, B.B. (1963) 10-12909 M
Copeia, (3):582-3
The systematic status of the Gulf of Mexico butterfish, *Porontus burti* (Fowler)

Berry, F.H. (1963) 10-12910 M
Copeia, (3):583-4
Caranx fasciatus Cuvier, an unidentifiable name for a carangid fish

Richards, C.E. (1963) 10-12911 M
Copeia, (3):584-5
First record of four fishes from Chesapeake Bay, and observations of other fishes during 1962

Spp. are: *Epinephelus itajara*, *Polydactylus virginicus*, *Caranx bartholomaei* and *Seriola dumerili*.

Wilkie, D.W. (1963) 10-12912 M
Copeia, (3):588-90
Occurrence of the longfin sculpin, *Jordania zonope* Starks 1895, in British Columbia

Collette, B.B. (1963) 10-12913 M
Copeia, (3):590-1
A deepwater-trawl capture of two swordfish (*Xiphias gladius*) in the Gulf of Mexico

LaMarca, M.J. (1963) 10-12914 M
Copeia, (3):593-5
The embryonic spiracular fold of the yellow stingray, *Urolophus jamaicensis*

Hobson, E.S. (1963) 10-12915 M
Copeia, (3):595-6
Selective feeding by the gafftopsail pompano, *Trachinotus rhodopus* (Gill), in mixed schools of herring and anchovies in the Gulf of California

Zemskii, V.A. & A.A. Berzin (1961) 10-12916 M
Nauch.Dokl.vyssh.Shk.(biol), 2:56-60
O redkom iavlenii atavizma u kashalota (*Physeter catodon* L.)
(A rare case of atavism in the spermwhale (*Physeter catodon* L.))

Kisliakov, A.G. (1961) 10-12917 M
Nauch.-tekh.Biull.PINRO, 3(16/17):3-5
Gidrologicheskie usloviia i urozhainost' pokolenii lofotensko-barentsevomorskoi treski 1959-1960 gg.
(Hydrological conditions and the brood fertility of Lofoten and Barents Sea cod in 1959-1960)

Shishkova. E.V. (1961) 10-12918 M
Ryb.Khoz., 3:50-3
Ob otrazhatel'noi sposobnosti kraba i kambaly
(The repellent capacity of the crab and the flounder)

Iablokov, A.V. (1961) 10-12919 M
Biull.mosk.Obshch.Ispyt.Prir.(biol.), 66:33-8
Nekotorye osobennosti mochepolovoi sistemy kitoobraznykh
(Some characteristics of the urogenital system in whales). En

Koreneva, E.V. (1961) 10-12920 M
Okeanologiia, 1:651-7
Issledovanie metodom sporovo-pyl'tsevogo
analiza dvukh kolonok morskikh otlozhenii
iz Iaponskogo moria
(An investigation of two marine deposit core
samples from the Sea of Japan by the spore-pollen analysis method)

Khuzin, R.Sh. (1961) 10-12921 M
Nauch.tekh.Biull.PINRO, 1(15):58-60
Metodika opredeleniia vozrasta i materialy
po razmnozheniiu belukhi
(Methods of determining the age of the beluga
and data on its reproduction)

Salekhova, L.P. (1963)B 10-12922 M
Vop.Ikhtiol., 3(2):275-87
(Self-fertilization and development of the
self-fertilized eggs of the stone perch
Serranus scriba). *Ru*

Salekhova, L.P. (n.d.1965?)C 10-12923 M
OTS TT-65-60155
Self-fertilization and development of the
self-fertilized eggs of the stone perch
Serranus scriba

En 10-12922
Available from U.S. Department of Commerce,
Washington D.C.

Radakov, D.V. (1962)B 10-12924 M
Vop Ikhtiol., (4):581-91
Nekotorye zakonomernosti raspredeleniia
pridonnykh ryb v raione Dakara
(Some regularities in distribution of
demersal fishes in the region of Dakar)

Radakov, D.V. (n.d.)C 10-12925 M
ETC TT-63-27856:19 p.
Quelques régularités présidant à la
distribution des poissons bentoniques
dans la région de Dakar
(Some regularities in distribution of
demersal fishes in the region of Dakar)

Fr 10-12924.
Available from European Translation Centre,
Delft, Netherlands.

Korabelnikov, L.V. (n.d.)C 10-12926 M
ETC TT-65-60691:3 p.
The diet of sperm whales in the Antarctic
seas

En 59-3733.
Available from European Translations Centre,
Delft, Netherlands.

Marti, Yu.Yu. & A.P. Wilson 10-12927 M
(1964)C
ETC TT-65-61527:16 p.
Migrations of the Atlanto-Scandian herring

En 61-07386.
Available from European Translations Centre,
Delft, Netherlands.

Shubnikov, D.A. (1964)C 10-12928 M
ETC TT-65-61528:12 p.
The dynamics of the biological condition of
the Atlanto-Scandian herring during the
summer period

En 61-07388.
Available from European Translations Centre,
Delft, Netherlands.

Parin, N.V. (L.Penny, Transl.) 10-12929 M
(n.d.)C
ETC TT-65-60320:21 p.
The distribution of deep-sea fishes in the
upper bathypelagic layer of the subarctic
waters of the northern Pacific Ocean

En 10-12804.
Available from European Translations Centre,
Delft, Netherlands.

Parin, N.V. (L.Penny, Transl.) 10-12930 M
(n.d.)C
ETC TT-65-60321:42 p.
Contribution to the knowledge of the flying-fish fauna (Exocoetidae) of the Pacific and
Indian Oceans

En 10-12806.
Available from European Translations Centre,
Delft, Netherlands.

Fahy, W.E. (1964) 10-12931 MG
J.Cons., 28(3):364-84
A temperature-controlled salt-water circulating apparatus for developing fish eggs and larvae

Details of construction are given, and advantages of this simple, versatile, dependable and safe incubation apparatus for experimental study of meristic structures in developing fishes. Mortality of eggs and larvae of Fundulus majalis is presented.

Parrish, B.B. (1963) 10-12932 MG
Symp.Inst.Biol., Lond., 11:79-93
Obtaining the maximum yield from traditional methods of harvesting

Reviews theory of fishing and of rational management; examples dealt with Pleuronectes platessa and Clupea harengus of N.E. Atlantic. Incl. discussion and contribution by T.W. Houston.

Derse, P.H. et al. (1963) 10-12933 MG
Nature,Lond., 200:600-1
Toxicity of antimycin to fish

Guraya, S.S. (1963) 10-12934 MG
Z.Zellforsch., 60:659-66
Histochemical studies on the yolk-nucleus in fish oogenesis

de Mendonca, J.M. (1963) 10-12935 MG
Mem.Inst.Osw.Cruz., 61:321-7
(On 2 capillarian parasites of fish (Nematoda, Trichuroidea)). Pr

Watson, S. (1963) 10-12936 MG
Med.J.Aust., 2:762-3
Treatment for victims of shark attack

Norris, K.S. (1963) 10-12937 MG
Ecol.Monogr., 33(1):23-62
The functions of temperature in the ecology of the percoid fish Girella nigricans (Ayres)

Geographic range, limiting temperatures. The environments of special study areas, Punta Clara, Punta Banda, La Jolla, Palos Verdes Peninsula. Development and dispersal of pelagic prejuvenile. Onshore migration of prejuveniles. Transformation, distribution in intertidal zone, tidal migration and movements, growth. Relation of temperature to distribution in the intertidal zone. Experimental studies, experimental animals, acclimation techniques, experimental procedures. Comparison of acclimated opaleyes from two temperature regimes. The behaviour of fish acclimated to uniform temperature. Temperature orientations and movements in nature, thermal tolerance. Temperature receptor systems of fishes. Experimental demonstrations of temperature orientation and movement. The functions of temperature-directed movements.

Brockerhoff, H. & R.J. Hoyle (1963) 10-12938 MG
Arch.Biochem., 102(1,2,3):452-5
On the structure of the depot fats of marine fish and mammals

Ricker, W.E. (1963) 10-12939 MG
J.Fish.Res.Bd Can., 20(2):257-64
Big effects from small causes: two examples from fish population dynamics

Analyses the effects of exploitation on the structure of fish populations using illustrative data for models and computations.

Lindsey, C.C. (1962) 10-12940 MF
Canad.J.Zool., 40(7):1237-47
Observations on meristic variations in ninespine sticklebacks, Pungitius pungitius, reared at different temperatures

Reports on meristic differences in specimens of the species reared under controlled conditions which are compared with Gasterosteus aculeatus.

Pacheco, A.L. (1962) 10-12941 MF
Chesapeake Sci., 3(4):256-7
Movements of spot, Leiostomus xanthurus, in the Lower Chesapeake Bay

Tagging was conducted in two lower Chesapeake estuaries. Limited summer movement suggested the feasibility of assessing fishery exploitation by individual river systems. Two returns from the winter trawl fishery in the Hatteras area indicate an overwintering area.

Romeo, J. & A.J. Mansueti 10-12942 MF
(1962)A
Chesapeake Sci., 3(4):257-63
Little tuna, Euthynnus alletteratus, in northern Chesapeake Bay, Maryland, with an illustration of its skeleton

MacEachern, N.E.J. & J.R. 10-12943 MF
MacDonald (1962)
Canad.Fish Cult., (31):43-57
The salmon fishery in Nova Scotia

With respect to the province, provides an historical summary of salmon fishing (sport and commercial), a list of salmon streams and their average annual catch, a list of streams destroyed or damaged as salmon streams by hydroelectric development and an estimate of the probable effect on fishing, effects on present yield of future conservation measures and their costs.
FiB:wad

Zheltenkova, M.V. (U.K. MAFF 10-12944 MF
Transl.)(1963)
Lowestoft, U.K.MAFF, 17 p.
The supply of food for a species, a population or a year class of fish

The roach, Rutilus rutilus, mainly from Azow and Caspian Seas, has been studied.
En Zheltenkova, M.V., 1961.

ANON. (1965) 10-12945 MF
Discovery, 26(2):6
Salmon in the Thames estuary?

Note on computer analysis of effects of pollution control on hydrological regime of the river.

Holthuis, L.B. & H. Rosa Jr. 10-12946 MF
(1965)
FAO Fish.tech.Pap., (52):21 p.
List of species of shrimps and prawns of economic value

Lists spp. in systematic order with notes on their geographic distributions and commercial value. Gives also common names for some spp.

Hass, G. (1964) 10-12947 MF
Fischwirt, 14(1):1-12
Aalwirtschaft im hessischen Rheinstromgebiet (Eel husbandry in the Hessian-Rhine area)

Allan, I.R.H. (1964) 10-12948 MF
Ann.appl.Biol., 53:497-8
The salmon and sea-trout stocks of the River Axe, Devon

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Stuart, T.A. (1964) 10-12949 MF
Ann.appl.Biol., 53:503-5
Biophysical aspects of leaping behaviour in salmon and trout

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Arai, R., M. Shikita & B.-I. 10-12950 MF
Tamaoki (1964)
Gen.comp.Endocr., 4:68-73
In vitro bioconversion of progesterone-4-C^{14} to 17α-Hydroxyprogesterone and androst-4-ene-3, 17-dione in testicular tissue of Tribolodon hakonensis Günther

Describes investigations of steroidogenesis in the gonads of the Japanese dace carried out with the aid of radioactive precursors. The fish were caught during their anadromous spawning migration in Tamagawa River, Japan.

Moss, M.L., S.J. Jones & 10-12951 MF
K.A. Piez (1964)
Science, 145(3635):940-2
Calcified ectodermal collagens of shark tooth enamel and teleost scale

Amino acid composition of some collagens for Squalus acantias and Cyprinus carpio is determined.

Post, E. (1964)A 10-12952 MF
Hydrobiologia, 23(1/2):274-80
Murrayellopsis dawsonii Post gen. et spec.nov. aus einem marinen Goldfisch-Nest
(Murrayellopsis dawsonii Post gen. et spec.nov. from a marine goldfish nest)

Patten, B.C. (1964) 10-12953 MF
J.Cons., 28(3):410-7
The rational decision process in salmon migration

Criticises the numerical probability model of homing migrations in Pacific salmon (Saila and Shappy, 1963). Developes a model of search behaviour, based on statistical decision theory.

Tripathi, Y.R. (1962) 10-12954 MF
Proc.all-India Congr.Zool., 1(2):218-33
Parasitic copepods from Indian fishes. 4. Achtheriformes

Three new species of Clavellisa, one each of Brachiella, Naobranchia and Thysanote are described from marine and estuarine food fishes. Isobranchia appendiculosa Heegaard, 1947, first recorded from Persia is now recorded from Bay of Bengal area. A key to the subfamilies and genera of Lernaeopodiae described from India is also given.
Co 10-13186.

Hale, P.A. (1962) 10-12955 MF
Thesis, Queen's Univ., Belfast
The cytology of the teleost digestive system

Carthy, J.D. & C.L. Duddington 10-12956 MF
(1963)
Viewpoints Biol., 2:201 p.

Contains 10-12498 & 10-12957.

Shaw, J. (1963) 10-12957 MF
Viewpoints Biol., 2
Kenetic aspects of ion regulation in aquatic mammals

Tinbergen, N. (1963) 10-12958 MF
Anim.Behav., 11(1):206-9
The work of the animal behaviour research group in the department of zoology, University of Oxford

Work mentioned includes study of the value of colour patterns to gulls when fishing, and schooling in fish.

Busnel, R.G. (1964)BC 10-12959 MF
Jouy-en-Josas, Centre National de Recherche
Zootechniques, 933 p.
Acoustic behaviour of animals

Jackson, R.I. (1963) 10-12960 MF
Annu.Rev.Fish.Coun.Can., (18):21-5
High seas salmon research

A review of the industry.

Baggerman, B. (1963) 10-12961 MF
Canad.J.Zool., 41(2):307-19
The effect of TSH and antithyroid substances on salinity preference and thyroid activity in juvenile Pacific salmon

A study on the effect of TSH and three antithyroid compounds, thiourea, thiouracil and sodium thiocyanate, and determination of the effect of TSH and thiourea and thyroid activity in Oncorhynchus.

ANON. (1961)B 10-12962 MF
Vop.Ikhtiol., 1(4):599-611, 616-49, 666-80,
725-61
(Soviet research on increasing and utilizing fish populations). Ru

ANON. (1963) 10-12963 MF
JPRS:20969:107 p.
Soviet research on increasing and utilizing fish populations

Contains papers: Problem of reservoir use by fisheries in various geographical zones, by A.G. Podduvnyi & M.A. Formunatov; Research problems in pond pisciculture, by F.G. Martishev; Increasing the catch of fish in marine waters, by R.S. Rass; Results of acclimatization of far-eastern fish poisonous to plants and measures for their further assimilation and study in new regions, by B.V. Verigin; Spawning population types and several problems of research into commercial fish population dynamics, by Ye.E. Lapin; Experience in cultivating Brachionus Rubens Ehrbg. rotifers as food for young fish, by G.L. Vasil'eva and G.L. Okuneva.
En 10-12962.
Available from Office of Technical Services, U.S. Department of Commerce, Washington D.C.

Awakura, T. (1963) 10-12964 MF
Sci.Rep.Hokkaido Fish.Hatch., (18):1-9
(Physiological and ecological studies on the fishes at spawning stage. 1. On oxygen consumption of spawning chum salmon, Oncorhynchus keta (Walbaum)). Ni En

Determination of average consumption; relation between oxygen consumption and water temperature; and comparison of consumption between male and female, mature and immature fish.

Hikita, T. (1963) 10-12965 MF
Sci.Rep.Hokkaido Fish.Hatch., (18):41-3
(On a salmonid fish known as "Iwame" in local name within Hokkaido). Ni

Kobayashi, T. et al. (1963) 10-12966 MF
Sci.Rep.Hokkaido Fish.Hatch., (18):11-25
(Study of rearing of the salmon, Oncorhynchus keta (Walbaum)). Ni

Kodama, Y. (1963) 10-12967 MF
Res.Popul.Ecol., 5(2):65-73
Growth related to behaviour of ayu, Plecoglossus altivelis, reared under low density. Ni

Measurement of growth, observation on behaviour and different social structures in three groups of ayu reared in concrete ponds, some fish being marked by vinyl ribbon, proving that differential behaviour plays an important role in the derivation of density dependent growth.

Yada, S. (1963) 10-12968 MF
Bull.Fac.Fish.Nagasaki, (15):85-91
(On some specimens of Leptocephalus in the Philippine Sea (Preliminary report)). Ni
En

Location of catch and body measurements and counts of 29 specimens.

Jhingran, V.G. (1963) 10-12969 MF
Indian Livestk, 1(1):47-9
Chilka can produce more fish for the nation

General account of fish production in lake with recommandations for improvement.

Fischer, W. (1963) 10-12970 MF
Int.Rev.Hydrobiol., 48(3):419-511
Die Fische des Brackwassergebietes Lenga bei Concepción (Chile)
(The fish of the Lenga brackish water region near Concepción (Chile)). En Es

Account with figures, maps and diagrams of the life histories and ecology. Odontesthes, Mugil and Eleginops were frequent.

Bückmann, A. (1963) 10-12971 MF
Arch.FischWiss., 14, 1.Beiheft:107 p.
Das Problem der optimalen Befischung - eine Darstellung zur Methodik der Fischereibiologie
(The problem of the optimum fishing rate - a representation of relevant methods in fishery biology). En

Describes the nature of the problem, and the significance of the methods applied in last years. Population dynamics models, application of mathematics, progress of research in this field, in historical order. Practical conclusions.
FAO:str

Cantwell, G.E. (1964) 10-12972 MF
Pacif.Sci., 18(3):239-80
A revision of the genus Parapercis, family Mugiloididae

Ill. description of the genus and 26 spp., based on anatomical studies, in attempt to establish possible affinities between spp., to define spp. groups and to determine relations among them. Determination of geographic range. Artificial key to the spp. is given.

Kobayashi, H. (1964) 10-12973 MF
J.Shimonoseki Univ.Fish., 13(2):67-83
On the photo-perceptive function in the eye of the hagfish, Myxine garmani Jorden et Snyder

Reports action potential response to light from the so-called rudimentary eyes, and histological observation, incl. neuro-arrangement of the eyes; describes behavioural experiments with respect to blinded hagfish.

Kobayashi, H. (1964)A 10-12974 MF
Sci.Rep.Hokkaido Salm.Hatch., (18):67-72
(Biological study on hybrids of the salmonid fishes. Cytological observation on fertilization in the cross between the chum-salmon and the pink-salmon). Ni En

Kodama, Y. (1964) 10-12975 MF
Bull.Freshw.Fish.Res.Lab.,Tokyo, 13(2):105-11
(On some problems of length-weight relationships in fish). Ni En

Discussion of the role of fatness coefficient in the calculation of body weight/length relations.

Munro, I.S.R. (1964) 10-12976 MF
Papua agric.J., 16(4):141-86
Additions to the fish fauna of New Guinea

Records spp. not previously recorded from the New Guinea area with ill. description of those new to science. Drawings of spp. not previously ill. are given.

Orton, G.L. (1964) 10-12977 MF
Pacif.Sci., 18(2):186-201
Identification of Leptocephalus acuticeps Regan as the larva of the eel genus Avocettina

Ill. description of the larvae assigned to L. acuticeps and comparative study indicating inclusion in the Avocettina section of family Nemichthyidae.

Strahan, R. (1964) 10-12978 MF
Aust.Nat.Hist., 14(10):334-6
Lampreys in Australia

Brief account of the natural history of a typical northern lamprey as a step toward gaining information about the southern forms.

Suzuki, R. & K. Mitsuya (1964) 10-12979 MF
Bull.Jap.Soc.sci.Fish., 30(2):137-40
(Some experiments on culture of the mud loach, Misgurnus anguillicaudatus). Ni En

Induction of artificial spawning by various hormones and comparison of results; determination of most satisfactory food.

ANON. (1964) 10-12980 MF
Fish.Newslett.Aust., 23(6):24-5

18 spp. of Australian fish are illustrated as a guide to identification.

ANON. (1964) 10-12981 MF
Fish.Newslett.Aust., 23(9):15
New tagging method used

Describes tagging procedure adopted in study of bream in Gippsland Lakes, Victoria.

Behrend, E.R. & M.E. Bitterman 10-12982 MF
(1964)
Amer.J.Psychol., 77(1):15-29
Avoidance-conditioning in the fish: Further studies of the CS-US interval

Doroshev, S.I. & V.K. Gorelov 10-12983 MF
(1964)
Dokl.Akad.Nauk SSSR, 159(6):1402-4
Podvizhnost' spermiev azovskikh i aral'skikh shemai i sazana v morskoi vode raznoi solenosti
(Mobility of Azov and Aralian fishes' spermatozoa in the sea water of different salinity)

Varley, M.E. (1964)A 10-12984 MF
Advanc.Sci.,Lond., 20(88):497-500
Some aspects of the nutrition of fish

Hikita, T. & Y. Yokohira (1964) 10-12985 MF
Sci.Rep.Hokkaido Salm.Hatch., (18):57-65
(Biological study on hybrids of the salmonid fishes. A note of F_1 hybrids between chum (Oncorhynchus keta) and pink salmon (Oncorhynchus gorbuscha)). Ni En

Description of the development of the fry prior to release, with measurement of survival and growth rates.

Igarasi, K. (1964) 10-12986 MF
Bull.Jap.Soc.sci.Fish., 30(2):95-103
(Observation on the development of the scutes in land-locked form of three-spined stickleback, Gasterosteus aculeatus aculeatus Linnaeus). Ni En

Ill. description of development; relation between total length of fish and number of scutes; relation between total length and developmental rate; comparison with developmental process of Pungitius pungitius.

Kobayasi, H. & T. Maeda (1964) 10-12987 MF
Bull.Jap.Soc.sci.Fish., 30(5):400-6
(Conclusion regarding the result of observations on the pharyngeal bones and their teeth in Japanese cyprinid fishes). Ni En

Observations on length of pharyngeal bone related to body length; length/breadth of bones in relation to feeding habits; length of posterior and anterior limbs; dental structure. A key to subfamilies based on these observations is given.

Takayasu, M. et al. (1964) 10-12988 MF
Sci.Rep.Hokkaido Salm.Hatch., (18):27-39
(Research on the death of salmon in the Tokushibetsu River. 1.). Ni En

Evaluation of theories of death caused by presence of heavy metal ions and slimes in the water, and effects of carbondioxide in springs in the tributary.

Takayasu, M. & G. Kimura (1964) 10-12989 MF
Sci.Rep.Hokkaido Salm.Hatch., (18):41-55
(Research on the death of salmon in the Tokusibetsu River. 2.). Ni En

Investigation of the toxicity of Cu- and Zn-ion solution in water of 0.7 degrees dH and determination of the median tolerance limit and minimum lethal dose.
Co 10-12988.

Terao, T. et al. (1963) 10-12990 MF
Sci.Rep.Hokkaido Fish.Hatch., (18):45-58
(Studies on the interspecific salmonoid hybrids between chum salmon, Oncorhynchus keta (Walbaum) and kokanee salmon, Oncorhynchus nerka var. adonis (Jordan et McGregor). 1. Survival and growth from fertilized eggs to fry). Ni

Scott, D. (1964) 10-12991 MF
Trans.roy.Soc.N.Z.(Zool.), 4(17):209-27
The migratory trout (Salmo trutta L.) in New Zealand. 1. The introduction of stocks

Examination of the evidence on the introduction and establishment of the sea trout in New Zealand.

Sakano, E. (1964) 10-12992 MF
Sci.Rep.Hokkaido Salm.Hatch., (18):17-25
(Downstream migrants of chum salmon in the Yufutsu River. 1. Remaining periods and growth of fry in the Utonai Lake). Ni En

Effect of environmental conditions in the lake on growth and other physiological features of the fry. Discussion of limnological conditions with respect to behaviour of fry.

Rothschild, B.J. (1962) 10-12993 MF
Thesis, Cornell Univ., 113 p.
The life history of the alewife, Alosa pseudoharengus (Wilson), in Cayuga Lake, New York

Studies concentrated on age, growth, and reproduction.
DA 24(3):1302.

Steen, J.B. (1963) 10-12994 MF
Acta physiol.scand., 59:221-41
The physiology of the swimbladder in the eel Anguilla vulgaris 3. The mechanism of gas secretion

Co 9-03493.

Banerjee, D.K. et al. (1963) 10-12995 MF
J.Ass.Physns India, 11:987-8
Folic acid activity of Indian fishes and the effect of cooling on its availability

Wyatt, E.J. et al. (1963) 10-12996 MF
J.Parasit., 49:951-5
Myxobolus insidiosus sp.n., a myxosporidan from the musculature of Oncorhynchus tshawytscha (Walbaum)

Fortunova, K.R. (1961) 10-12997 MF
Trud.Soveshch.Dynamik.Chisl.Ryb., 13:108-16
O kharaktere vozdeistviia khishchnykh ryb na strukturu populiatsii promyslovykh ryb
(On the characteristics of the effect of predatory fishes on the structure of commercial fish populations)

Fortunova, K.R. (1964) 10-12998 MF
9022.56 (26)
On the characteristics of the effect of predatory fishes on the structure of commercial fish populations

En 10-12997.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Chugunova, N.I. (D.Yasski, Transl.)(1963)BC 10-12999 MF
132 p.
Age and growth studies in fish; a systematic guide for ichthyologists

Available from Office of Technical Services, U.S. Department of Commerce, Washington.

Royce, W.F. et al. (1963) 10-13000 MF
Univ.Wash.Publ.Fish., 2(1):123 p.
Salmon gear limitation in northern Washington waters; an economic, biological and legal survey of the salmon resource of northern Puget Sound and Strait of Juan de Fuca

Aslanova, N.E. (1963) 10-13001 MF
9022.56(NS 15)
A study of the behaviour of fishes in the zone of action of fishing gear

En N.E. Aslanova, 1958.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Chugunova, N.I. (1961)B 10-13002 MF
Trud.Soveshch., (13):94-107
O zakonomernostiakh rosta ryb i ikh znachenii v dinamike populiatsii
(The laws governing the growth of fish, and their significance in population dynamics)

Chugunova, N.I. (1963) 10-13003 MF
9022.56(NS 14)
The laws governing the growth of fish, and their significance in population dynamics

En 10-13002.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Dementeva, T.F. (1963) 10-13004 MF
9022.56(NS 3)
The importance of a decisive factor in the determination of the numerical strength of fish populations in the light of year-to-year and long term fluctuations

En T.F. Dementeva, 1961.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Went, A.E.J. & D.J. Piggins (1965) 10-13005 MF
Nature,Lond., 205(4972):723
Long-distance migration of Atlantic salmon

Describes the migration of S. salmo tagged in N. Ireland and recaptured in Greenland waters.

Evropeytseva, N.V. (1962)B 10-13006 MF
Uchen.Zap.leningr.Univ.(biol.), (311):46-73
Sravnitelnyi analiz protsessa desmoltifikatsii u molodi raznykh ekologicheskikh form Atlanticheskogo lososia
(Comparative analysis of the desmoltification process among the young of different ecological forms of Atlantic salmon)

Reports experiments carried out in 1958 & 1959 on changes in smolt of Salmo salar and S. salar serbago retained in hatchery ponds.

Evropeytseva, N.V. (G.N. Kulikovsky, Transl.)(1963) 10-13007 MF
Transl.Ser.Fish.Res.Bd Can., (431):24 p.
Comparative analysis of the desmoltification process among the young of different ecological forms of Atlantic salmon

En 10-12006.

Chadwyck-Healey, E. & J.S. Barclay (1963) 10-13008 MF
Salm.Trout Mag., (167):14-29
Committee on Scottish salmon and trout fisheries. Memorandum by the salmon and trout association

Covers drift-netting for salmon, salmon law, brown trout fishing and law.

Calaprice, J.R. (1963) 10-13009 MF
Calif.Fish Game, 49(1):56-7
Growth and regulation of animal populations

Re 62-04123.

Watts, J.C.D. (1963) 10-13010 MF
Bull.Inst.franç.Afr.noire(A), 25(1):235-7
A note on Ethmalosa fimbriata (Bowd.) from Sierra Leone

The monthly values for the catch rate in the estuary show that the Ethmalosa fishery in West Africa is to a large extent seasonal, the fish entering the estuarine areas during the dry season and disappearing with the onset of the rains.

Bevan, D.E. (1963)A 10-13011 MF
Progr.Fish Cult., 25(1):22
Incubation of salmonid eggs in a refrigerator

Kincheloe, J.W. (1963) 10-13012 MF
Progr.Fish Cult., 25(1):40-1
The effect of the disinfectant additive (anti-germ 77) in Pfizer poultry formula terramycin on three species of salmonids

No significant difference was shown on growth, mortality, or health of fish when formula was added to food.

Blahm, T.H. (1963) 10-13013 MF
Progr.Fish Cult., 25(1):54-5
A detector of fish activity

Describes apparatus.

Woodhead, A.D. (1963) 10-13014 MF
World Fish., 12(4):36-8
The migrations of fish - 2

Co 10-12646.

Gordon, M.S. (1963) 10-13015 MF
Biol.Bull.Woods Hole, 124(1):45-54
Chloride exchanges in rainbow trout (Salmo gairdneri) adapted to different salinities

A study using Cl36 as a tracer.

ANON. (1963) 10-13016 MF
Inform.Bull.Pacif.Sci.Ass., 15(1):3-4
Directions of Chanos (milk fish) research

Ali, M.A. (1963) 10-13017 MF
Growth, 27(1):57-76
Correlation of some retinal and morphological measurements from the Atlantic salmon (Salmo salar)

Good correlation between body measurements in yearlings but only a very low one between combinations of retinal measurements, or of retinal and body measurements. Investigation includes Altantic salmon ranging in age from embryos prior to hatching to those older than two years and is expected to shed light on growth of retina and of pigment and cone layers

Berdichevskii, L.S. (1961) 10-13018 MF
Trud.Soveshch.ikhtiol.Kom., (13):44
Biologicheskie osnovy ratsional'nogo vedeniia rybolovstva
(The biological principles underlying the rational conduct of fisheries)

Reviews Russian work, with attention to ensuing sufficient reproduction, growth rates, utilization of available food supply; quality variations. Examples from Caspian (roach, perch-pike, bream) and Azov (sea bream). Ci F.I. Baranov, 1925, G.V. Nikolskii, 1958. Proceedings of the conference on the population dynamics of fishes, Moscow, 1960.

Berdichevskii, L.S. (U.K.MAFF, Transl.)(1963) 10-13019 MF
Lowestoft, 37 p., mimeo
The biological principles underlying the rational conduct of fisheries

En 10-13018.

Eniutina, R.I. (1962)B 10-13020 MF
Vop.Ikhtiol., 2(4):740-2
O dopolnitelnom koltse v yadernoi chasti cheshui gorbushi, Oncorhynchus gorbuscha (Walb.)
(Concerning the supplementary ring in the nuclear portion of the scales of pink salmon, Oncorhynchus gorbuscha (Walb.))

Fish were collected in Amur River and Okhotsk Sea.

Sergeeva, A.I. (U.K.MAFF, Transl.)(1963) 10-13021 MF
Lowestoft, mimeo, 11 p.
The stunting of north Caspian roach

En 10-13192.

Lamarque, P. (1963) 10-13022 MF
Nature,Paris, (3336):137-48
Les réactions du poisson dans la pêche électrique et leur explication neuro-physiologique
(The reaction of fish to electric fishing and the neuro-physiological explanation)

Short review.

de la Motte, I. (1963) 10-13023 MF
Naturwissenschaften, 50(9):363
Untersuchungen zur vergleichenden Physiologie der Lichtempfindlichkeit
(Investigations of the comparative physiology of light sensibility in blind fish)

International Commission on Zoological Nomenclature (1963) 10-13024 MF
Bull.zool.Nom., 20(2):160 p.

Contains notices, decisions, new applications and comments on cases of zoological nomenclature, considered by the International Commission on Zoological Nomenclature. Incl. new application of Bomolochus, Candacia and Naiadites angulatus.

International Commission on Zoological Nomenclature (1963) 10-13025 MF
Bull.zool.Nom., 20(3):240 p.

Contains notices, decisions, new applications and comments on cases of zoological nomenclature, considered by the International Commission on Zoological Nomenclature. Incl. new applications of Pisania, Ceratomya and comments on peneid names.

Holt, S.J. (1963) 10-13026 MF
FAO Fish.Circ., (4):6 p.
A note on the relation between the mortality rate and the duration of life in an exploited fish population

Straus, L.P. (1963) 10-13027 MF
Physiol.Zoöl., 36(2):183-98
A study of the fine structure of the so-called chloride cell in the gill of the guppy Lebistes reticulatus

The ultrastructure of the so-called chloride cell in the guppy gill is described. This cell is located along the gill filament frequently at the bases of the respiratory lamellae, and is characterized by abundant mitochondria and a prominent agranular tubular endoplasmic reticulum.

Thorsteinson, F.V., W.H. Noerenberg & H.D. Smith (1963) 10-13028 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (430): 84 p.
The length, age, and sex ratio of chum salmon in the Alaska peninsula, Kodiak Island, and Prince William sound areas of Alaska

Analyses data from 1951 through 1957.

Maltzeff, E.M. & P.D. Zimmer (1963) 10-13029 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (437): 13 p.
Fall chinook salmon returns to hatcheries in the Bonneville Dam pool area, 1945-60

Shows contribution of hatcheries located in Bonneville Dam pool area in relation to escapement over Bonneville Dam.

ANON. (1964) 10-13030 MF
Fish.Newslett.Aust., 23(11):19
Fish culture methods spreading

Note on envisaged culture of trout, crayfish, prawns and abalone with note on fish culture being carried out in Japan.

Browning, T.O. (1964) 10-13031 MF
Fish.Newslett.Aust., 23(11):17
Ecology of fish in relation to commercial fishing

Summary of paper presented at Tasmanian Fisheries Management Seminar which stresses the need for a full understanding of the fish population under exploitation.

Noble, E.R., R.E. King & B.L. Jacobs (1963) 10-13032 MF
Ecology, 44(2):295-305
Ecology of the gill parasites of *Gillichthys mirabilis* Cooper

Parasitic ciliate *Trichodina*, trematodes *Hyrodactylus elegans* and *Hysterolecitha trilocalis*, and copepod *Ergasilus auritus* were studied in estuary in California.

Bridges, C.D.B. (1964) 10-13033 MF
Nature,Lond., 203(4941):191-2
Effect of season and environment on the retinal pigments of two fishes

ANON. (1964) 10-13034 MF
New Scient., 22(388):234
The cold nerve of a goldfish

Mohsen, T. (1965) 10-13035 MF
Nature,Lond., 205(4976):1127
A new key character in males of the family Goodeidae (Cyprinodontiformes)

Salt, G. (1965) 10-13036 MF
Nature,Lond., 205(4977):1147-8
What is parasitology?

Re 9-12568.

Tets, V.I. (1964) 10-13037 MF
Dokl.Akad.Nauk SSSR, 159(1):227-9
Nekotorye osobennosti immunologicheskoi reaktivnosti ryb
(Certain peculiar features of immunological reaction in fish)

Experiments determining whether the fish can produce immune antibodies in response to injection of an antigen.

Hardisty, M.W. (1964) 10-13038 MF
Arch.Hydrobiol., 60(3):340-57
The fecundity of lampreys

Schnakenbeck, W. (1962)BC 10-13039 MF
Handb.-Zool.Berl., vol. 6, 1. Teil, 1. Hälfte, Lief. 11: 1001-115
Acrania (Cephalochordata) - Cyclostoma - Pisces

Illies, (1964) 10-13040 MF
Arch.Hydrobiol., 60(3):383
Acrania (Cephalochordata) - Cyclostoma - Pisces

Re 10-13039.

Nandi, J. & H.A. Bern (1965) 10-13041 MF
Gen.comp.Endocr., 5:1-15
Chromatography of corticosteroids from teleost fishes

Steroids from *Salmo gairdnerii*, *Tilapia mossambica* and *Bodianus bilunulatus* were identified.

Sprague, J.B. (1964) 10-13042 MF
J.Fish.Res.Bd Can., 21(1):17-26
Lethal concentrations of copper and zinc for young Atlantic salmon. Fr

The toxicity of Cu and Zn to immature *Salmo salar* was tested.

Saunders, R.L. & J.H. Gee (1964) 10-13043 MF
J.Fish.Res.Bd Can., 21(1):27-36
Movements of young Atlantic salmon in a small stream

The locations of tagged parr and fin-clipped fry of *S. salar* in stream in S.N. Brunswick, Canada were observed.

Greene, G.N. (1964)C 10-13044 MF
Thesis, Auburn University, 71 p.
A reproduction control factor in fishes

DA 25(3):2111.

Simon, R.C. (1964)C 10-13045 MF
Thesis, University of Washington, 93 p.
Cytogenetics, relationships and evolution in Salmonidae

A study concerning diploid chromosome numbers of blastulae obtained from ten populations of *Salmo* and *Oncorhynchus*. DA 25(5):2721.

Mattheis, T. (1964) 10-13046 MF
Z.Fisch., 12(8,9,10):709-15
Fälle von Zystenbildung und Geschwülsten bei Aalen (*Anguilla vulgaris*)
(The cases of cystic fibroma and fibrosarcoma in eels). En

Pickford, G.E., E.E. Robertson & W.H. Sawyer (1965) 10-13047 MF
Gen.comp.Endocr., 5:160-80
Hypophysectomy, replacement therapy, and the tolerance of the euryhaline killifish, *Fundulus heteroclitus*, to hypotonic media

Schmidt, P.J. *et al.* (1965) 10-13048 MF
Gen.comp.Endocr., 5:197-206
Pituitary hormones of the Pacific salmon. 1. Response of gonads in immature trout (*Salmo gairdneri*) to extracts of pituitary glands from adult Pacific salmon (*Oncorhynchus*)

Lagios, M.D. (1965) 10-13049 MF
Gen.comp.Endocr., 5:207-21
Seasonal changes in the adenohypophysis, testes, and ovaries of the black surfperch, *Embiotoca jacksoni*, a viviparous percomorph fish

Russev, B. (1963) 10-13050 MF
Izv.opitn.Stants.sladkovod.Rib.Plovdiv, 2:71-2
Die Nährung des Sterlets (*Acipenser ruthenus* L.) in der Donau vor dem bulgarischen Ufer
(The food of the sterlet (*Acipenser ruthenus* L.) in the River Danube near the Bulgarian coast)

McPhail, J.D. (1963) 10-13051 MF
J.Fish.Res.Bd Can., 20(1):27-44
Geographic variation in North American ninespine sticklebacks, *Pungitius pungitius*

Ventral spine length and the number of lateral plates, dorsal spines, and gill rakers in specimens from 132 North American localities were compared.

McBride, J.R. *et al.* (1963) 10-13052 MF
J.Fish.Res.Bd Can., 20(1):95-100
Resumption of feeding by and survival of adult sockeye salmon (*Oncorhynchus nerka*) following advanced gonad development

The fish were captured on their spawning migration from the North Pacific as they entered Great Central Lake, Vancouver Island, B.C.

Tsuyuki, H. & E. Roberts (1963) 10-13053 MF
J.Fish.Res.Bd Can., 20(1):101-4
Species differences of some members of Salmonidae based on their muscle myogen patterns

The muscle myogen patterns obtained by starch gel electrophoresis of the Dolly Varden and eastern brook trout (*Salvelinus*), the rainbow and steelhead trouts and the Atlantic salmon (*Salmo*), and the coho, spring, chum, sockeye and pink salmon (*Oncorhynchus*) are compared.

Honma, Y. (1964) 10-13054 MF
Bull.Jap.Soc.sci.Fish., 30(11):912-7
(Notes on the exencephalocele (*Hernia cerebri*) found in a young of salmonoid fish, the koayu, *Plecoglossus altivelis* Temminck et Schlegel). *Ni* En

Ill. morphological and histological description of the exencephalocele.

Ito, J. (1964) 10-13055 MF
Bull.Hokkaido Fish.Res.Lab., (29):85-97
(Food and feeding habit of Pacific salmon (genus *Oncorhynchus*) in their oceanic life). *Ni* En

Analysis of stomach contents of *Oncorhynchus nerka*, *O. keta*, *O. kisutch* and *O. tschawytscha* to reveal food composition and differences in food and feeding habits between spp.

Tabeta, O. & H. Tsukahara (1964) 10-13056 MF
Sci.Bull.Fac.Agric.Kyushu, 21(2,3):215-25
(The spawning habits of the anadromous uguiminnow, Tribolodon hakonensis hakonensis (Gunther), with reference to the fishery in the northern Kyushu).
Ni En

Description of artificial spawning beds and spawning behaviour observed; spawning season; effect of environmental conditions on spawning.

Hoese, H.D. (1963) 10-13057 MF
Copeia, (1):165-6
Salt tolerance of the eastern mudminnow, Umbra pygmaea

Juliano, R.O. & H.R. Rabanal (1963) 10-13058 MF
Copeia, (1):180-1
The tolerance of milkfish fingerlings and fry, Chanos chanos (Forskål), to decreases in salinity

Fredin, R.A. (1965) 10-13059 MF
J.Fish.Res.Bd Can., 22(1):33-51
Some methods for estimating ocean mortality of Pacific salmon and applications

Three methods for estimating natural mortality rates of Oncorhynchus nerka are presented.

Mason, J.C. & D.W. Chapman (1965) 10-13060 MF
J.Fish.Res.Bd Can., 22(1):173-90
Significance of early emergence, environmental rearing capacity, and behavioral ecology of juvenile coho salmon in stream channels

Tsuyuki, H., E. Roberts & W.E. Vanstone (1965) 10-13061 MF
J.Fish.Res.Bd Can., 22(1):203-13
Comparative zone electropherograms of muscle myogens and blood hemoglobins of marine and freshwater vertebrates and their application to biochemical systematics

Approximately 50 spp. of fishes, representing 3 classes: Elasmobranchii, Holocephali, and Teleostomi were examined.

Ali, M.A. (1965) 10-13062 MF
J.Fish.Res.Bd Can., 22(1):221-3
Retinal structure in the arctic char (Salvelinus alpinus L.)

Belova, A.V. (1965) 10-13063 MF
Dokl.Akad.Nauk SSSR, 161(2):466-8
Vliianie uslovii transportirovki na sostav krovi molodi gorbushy, vyrashtshivaemoi na rybovodnykh zavodakh Murmana
(The effect of transportation conditions on the composition of blood in the young of O. gorbusha grown in the fish hatcheries of Murman). Ru

Ignat'eva, G.M. (1964) 10-13064 MF
Dokl.Akad.Nauk.SSSR(En Transl.biol.Sci.Sec.), 151(1-6):973-6
Comparison of the dynamics of invagination of the chordomesoderm in sturgeon and axolotl embryos

The embryos of Acipenser güldenstädti, A. stellatus and of axolote Amblystoma mexicanum were investigated.
En 9-11375.

Golovanenko, L.F. (1964) 10-13065 MF
Dokl.Akad.Nauk.SSSR(En Transl.biol.Sci.Sec.), 151(1-6):1060-1
Types of hemoglobin in sturgeon fry

Electrophorograms of hemaglobin of Acipenser güldenstädti, A. stellatus and Huso huso from Don-Azovian Sea waters are presented.
En 9-11383.

Ropes, J.W. (1963)A 10-13066 MF
Limnol. & Oceanogr., 8(3):353-5
The incidence of Malacobdella grossa in hard clams from Nantucket Sound, Massachusetts

Warren, J.W. (1963) 10-13067 MF
Progr.Fish Cult., 25(3):121-31
Kidney disease of salmonid fishes and the analysis of hatchery waters

Describes investigation to determine relationships between the disease and the hardness of the water.

Matsui, I. (1964) 10-13068 MF
Fishery Propag.Ser.,Tokyo, (4):116 p.
(A guide to pond culture of the eel). Ni

Mihara, T., S. Sano & H. Eguchi 10-13069 MF
(1964)
Fishery Propag.Ser.,Tokyo, (5):60 p.
(Artificial propagation of salmon in Japan).
Ni

Ohshima, Y. (1964) 10-13070 MF
Fishery Propag.Ser.,Tokyo, (8):56 p.
(Housing scheme for fishes). Ni

Sakiura, H., S. Yuhashi & Y. 10-13071 MF
Koyama (1964)
Wld Fishg Ser.,Tokyo, (1):72 p.
(On the artificial reproduction of salmon
stocks of the USSR). Ni

Kondô, K. (1964) 10-13072 MF
Fishery Res.Ser.,Tokyo, (5):56 p.
(Life history of Japanese sardine, Sardinops
melanosticta (Temminck and Schlegel), and a
proposed methodology on the investigations).
Ni

Matsushita, T. (1964) 10-13073 MF
Fishery Res.Ser.,Tokyo, (6-1):1-36
(Pacific salmon in the northern waters -
species and life-history). Ni

Eniutina R.I. (1962)B 10-13074 MF
Vop.Ikhtiol., 2(4):740-2
O dopolnitelnom koltse v yadernoi chasti
cheshui gorbushi, Oncorhynchus gorbuscha
(Walb.)
(Concerning the supplementary ring in the
nuclear portion of the scales of pink salmon,
Oncorhynchus gorbuscha (Walb.))

Fish were collected in Amur River and Okhotsk
Sea.

Matsushita, T. (1965) 10-13075 MF
Fishery Res.Ser.,Tokyo, (6-3):107-50
(Pacific salmon in the northern waters-
conditions of stocks). Ni

CR 10-13073.

Bell, G.R. (1964) 10-13076 MF
Bull.Fish.Res.Bd Can., (148):4 p.
A guide to the properties, characteristics, and
uses of some general anaesthetics for fish

Contains background information and lists
references dealing with particular anaesthetics

Chulitskaia, E.V. (1961) 10-13077 MF
Dokl.Akad.Nauk SSSR, 138:718-21
Latentnaia differentsirovka materiala
slukhvogo puzyr'ka u osetra i sevriugi
(Latent differentiation of the auditory
vesicle in Caspian and other sturgeon)

Iablokov-Khizorian, S.M. (1961) 10-13078 MF
Zool.Zh., 40:797-808
O roli zonal'nosti v protsesse evoliutsii,
v chastnosti, o rasselenii nekotorykh ryb
(The role of zonality in the evolutionary
process, particularly in regard to the resettling of certain fishes). Fr

Protasov, V.R. (1961) 10-13079 MF
Priroda, 5:104-6
Zrenie ryb. "Fonariki" glubokovodnykh ryb.
Glaza mogut ubivat'. Ryby-dikhromaty.
Zamaskirovannaia dobycha. Reaktsii ryb na
dvizhenie
(Fish vision. The "lanterns" of deep sea
fishes. Looks can kill. Dichromate fishes.
Blind capture. Fish reactions to movement)

Anisimova, I., F. Martyshev & 10-13080 MF
Iu. Privezentsev (1961)
Rybovod.i Rybolov., 3:21-4
Vozrastnoi podbor proizvoditelei
(Age selection of parent male fishes)

Babaian, K. (1961) 10-13081 MF
Rybovod.i Rybolov., 2:31-2
Kefali
(Mullets)

Smirnova, E.N. (1961) 10-13082 MF
In Raboty po ekologicheskoi morfologii i
fiziologii ryb (Papers on the ecological
morphology and physiology of fishes)
Trudy Inst.Morf.Zhivot., 33:219 p.
Razvitie kubanskoi shemai v embrional'nom i
lichinochnom periodakh zhizni
(Growth of the Kuban Chalcalburnus in the
embryonal larval periods)

Dragomirov, N.I. (1961) 10-13083 MF
In Raboty po ekologicheskoi morfologii i fiziologii ryb (Papers on the ecological morphology and physiology of fishes)
Trudy Inst.Morf.Zhivot., 33:219 p.
Ekolo-morfologicheskie osobennosti lichinochnogo razvitiia belugi (Ecological-morphological characteristics of larval development in the giant sturgeon)

Shterman, L.Ia. (1961) 10-13084 MF
Nauch.Dokl.vyssh.Shk.(biol.), 2:76-9
Zavisimost' mezhdu razmerom odnovozrastnykh ryb i stepen'iu razvitiia ikh osmoreguliatsii (Relationship between size and degree of development of the osmoregulation in fishes of the same age)

Azbelev, V.V. (1961) 10-13085 MF
Nauch.tekh.Biull.vsesoiuz.nauch.-issled.Inst. ozer.rech.ryb.Khoz., 1(15):55-7
O srokakh vypuska molodi gorbushi rybovodnymi zavodami Murmanskogo SNKh
(Times of humpback salmon planting at the Murmansk Council's fish hatchery)

Sprague, L.M. (1965) 10-13086 MF
Science, 148(3674):1252-4
Fish immunogenetics research

Review of papers concerning hematological immunogenetic and seriological studies of fish read at a meeting at the University of Hawaii, Honolulu, 16-20 November, 1964.

Howell, J.H. et al. (1964)A 10-13087 MF
Tech.Rep.Gr.Lakes Fish.Comm., (8):21 p.
Synergism of 5, 2'-dichloro-4'-nitrosalicylanilide and 3-trifluormethyl-4-nitrophenol in a selective lamprey larvicide

Federova, G.V. (1963) 10-13088 MF
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 150(1-6):669-70
Effect of water temperature, age and sex of fish on their absorption and excretion of C^{14}

En 8-12125.

Hartman, F.A. & M.A. Lessler (1964) 10-13089 MF
Biol.Bull.,Woods Hole, 126(1):83-8
Erythrocyte measurements in fishes, Amphibia, and reptiles

8 spp. of fishes, 5 spp. of Amphibia & 33 spp. of reptiles were investigated. The cytostomes of Opsanus and Lophius amongst the fishes are almost as wide as they are long; in other fishes they are much longer than they are wide.

Hunter, C.J. (1965) 10-13090 MF
Comm.Fish.Rev., 27(2):1-9
Experimental trawling for high-seas salmon

A large pelagic trawl was tested near Adak, Alaska, for catch of Oncorhynchus spp.

Rodman, D.T. (1963) 10-13091 MF
Progr.Fish Cult., 25(2):71-8
Anesthetizing and air-transporting young white sturgeons

Use of MS 222, tertiary methyl alcohol, and ice as anaesthetic and their effects on white sturgeons (Acipenser transmontanus) in shipping by triple-polyethylene bags to Japan by air.

Ashley, L.M. & C.E. Smith (1963) 10-13092 MF
Progr.Fish Cult., 25(2):93-6
Advantages of tissue imprints over tissue sections in studies of blood cell formation

Compares the relative merits of tissue imprints (impression films) and tissue sections as methods in the study of fish hemopoiesis.

Parvin, J. & M.A. Smith (1963) 10-13093 MF
Progr.Fish Cult., 25(2):97-100
Salmon and steelhead runs at the Eagle Creek national fish hatchery

Runs of coho (Oncorhynchus kisutch), and chinook (O. tshawytscha) salmon and steelhead trout (Salmo gairdneri) established by artificial rearing and stocking.

Monan, G.E. (1963) 10-13094 MF
Progr.Fish Cult., 25(2):107-8
A device for measuring the length of fish

Device for measuring and recording quickly and accurately fork lengths of large numbers of similarly sized fish.

Liem, K.F. (1963) 10-13095 MF
Copeia, (2):303-12
Sex reversal as a natural process in the synbranchiform fish Monopterus albus

The reproductive cycle of the synbranchoid fish M. albus was studied by histological observations of the gonads of 898 individuals of different ages and sizes raised in the laboratory and also of 96 individuals collected in the field. A critical review of the different types of reproductive cycles in teleosts is given.
HR:hr

Nursall, J.R. (1963) 10-13096 MF
Copeia, (2):458-9
The hypurapophysis, an important element of the caudal skeleton

Lieder, U. (1963) 10-13097 MF
Biol.Zbl., 82(3):297-302
Über vermutliche Gonosomen bei Perca, Acerina und Anguilla (Vertebrata, Pisces)
(On putative gonosomes in Perca, Acerina and Anguilla (Vertebrata, Pisces))

Records heterochromosomes, in embryonic and regeneration mitoses, thought to be male sex-determining. It is suggested that the partners of satellite chromosomes in Perca and Anguilla may be homoloynes of autochromosomes fused with a further sex determining (Y) element.

FAO:cmhh

Paulik, G.J. (1963) 10-13098 MF
Biometrics, 19(1):28-57
Estimates of mortality rates from tag recoveries

Maximum likelihood and weighted regression estimators for determining rate of survival and rate of exploitation are presented. Single release models for a continuous fishery with exact-time or interval-accuracy recovery data and the use of pre-season releases to estimate type(1) losses are treated in detail. Discontinuities in application of fishing effort, recruitment of tagged fish, and incomplete reporting of tags are considered.

Ishida, T. (1964) 10-13099 MF
Bull.Hokkaido Fish.Res.Lab., (29):1-9
(On the gill-net mesh selectivity curve. 2.). Ni En

Revised curves for Nfld. herring, Tilapia, lake whitefish, and cat fish are estimated; description of basic method to be used in case of wide size range of fish; comparison of curves for 8 spp., relation between body length and girth to optimum mesh and mesh perimeter respectively.
Co 8-10391.

Jensen, K.W. (1963) 10-13100 MF
Salm.Trout Mag., (168):86-96
Farming trout and salmon in Norway

Popular historical account.

Swan, M.A. (1963) 10-13101 MF
Salm.Trout Mag., (168):96-104
Scales with malformed centres

Discusses pros and cons of views on formation of malformed centers on fish-scales.

Shearer, W.M. (1963)A 10-13102 MF
Salm.Trout Mag., (168):110-1
The capture of the pre-grilse stage of Atlantic salmon in freshwater

Scott, L. (1964)C 10-13103 MF
Thesis, University of New Hampshire, 297 p.
Studies on some trematode parasites associated with salt marshes of south-eastern New Hampshire

DA 25(8)4878.

Gehatia, M. & C. Hashimoto 10-13104 MF
(1963)
Biochim.biophys.Acta, 69(2):212-21
Physikalisch-chemische Untersuchung der Protamine. 1. Teil. Iridin (aus Salmo irideus)
(Physico-chemical studies of the protamines. 1. Iridine (from Salmo irideus)). En

The solution of iridine in 0.05 M triethanolamine hydrochloride buffer, pH 7.3, was investigated at 20 degrees by means of ultracentrifugation, pycnometry, refractometry and viscosimetry.

Smith, M.W. (1963) 10-13105 MF
J.Fish.Res.Bd Can., 20(2):327-45
Influence of pond formation on brook trout movements and angling success

Describes the effect of forming a barrage pond for anglers on the movement of Salvelinus fontinalis between a stream and salt water estuary and gives catch data from 1956 to 1958.

Alderdice, D.F. (1963) 10-13106 MF
J.Fish.Res.Bd Can., 20(2):525-50
Some effects of simultaneous variation in salinity, temperature and dissolved oxygen on the resistance of young coho salmon to a toxic substance

Investigates medium resistance times of Oncorhynchus kisutch, acclimated to fresh water at 12 degrees C, to 3 mg/l of sodium pentachlorophenate. Data are transformed to give a response ellipsoid defining the manner in which the variables affected the reaction to pentachlorophenate. Within the conditions of the experiments a two to threefold variation in response magnitude to the same concentration of toxin was found. The use of multivariable experimental techniques is discussed.

Guenther, A. (1964)C 10-13107 MF
New York, Stechert-Hafner, Inc. 8 vols.:4268 p.
Catalogue of the fishes in the British Museum (Natural history)

Contains descriptions of 8525 spp. from all over the world.
NE A. Guenther, 1870.

Black, J.B. (1963)C 10-13108 MF
Thesis, Tulane University, 107 p.
Comparison of the male reproductive cycles in the dwarf crawfishes Cambarellus shufeldti (Faxon) and Cambarellus puer Hobbs

DA 24(8)3466.

Braswell, A.L. Jr. (1963)C 10-13109 MF
Thesis, Oregon State University, 93 p.
The ecology of Lepidurus apus in northern Utah and some limnological requirements for hatching

DA 24(8)3466.

Wai, E.H. & W.S. Hoar (1963) 10-13110 MF
Canad.J.Zool., 41(4):611-28
The secondary sex characters and reproductive behavior of gonadectomized sticklebacks treated with methyl testosterone

Results of quantitative comparisons of the response of males and females when treated with the male gonadal hormone.

Marchetti, R. (1965) 10-13111 MF
Ann.appl.Biol., 55(3):425-30
The toxicity of nonyl phenol ethoxylate to the developmental stages of the rainbow trout, Salmo gairdnerii Richardson

Faustov, V.S. & A.I. Zotin (1965) 10-13112 MF
Dokl.Akad.Nauk SSSR, 162(4):965-8
Izmenenie teplot sgoraniia iaits ryb i amfibii vo vremia razvitiia
(Variations in the heat emitted by eggs of fishes and amphibians during their development)

Morita, T. (1964) 10-13113 MF
Mem.Fac.Fish.Kagoshima, 13(1964):110-4
(Experimental studies on the eating reaction of fishes to each hook in the small long-line gear. 1. On the results of experiments by 5-hook gear). Ni En

Results of experiments carried out in pond, some with gear kept straight and some with gear shortened, thus producing catenary effect.

Svetovidov, A.N. (1964) 10-13114 MF
Opred.Faune SSSR, (86):550 p.
Ryby Chernogo moria
(Fishes of the Black Sea)

Lists in systematic order the families and spp. of Elasmobranchii and Teleostomi with ill. and detailed description.

Detlaf, T.A. & S.I. Zuichenko (1964) 10-13115 MF
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 152(1-6):1229-31
Metaphase of the first maturation division in oocytes of sturgeon

The oocytes of *Acipenser stellatus*, and *A. güldenstädti* were tested.
En 9-11380.

Zotin, A.I. & R.V. Pagnaeva (1964) 10-13116 MF
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 152(1-6):1236-9
Time of determination of the position of the cleavage furrows in ova of the sturgeon and axolotl

Experiments with ova of *Acipenser güldenstädti* and of the axolotl *Amblystoma mexicanum* are described.
En 9-11381.

Khalturin, K. (1964) 10-13117 MF
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 152(1-6):1371-2
The significance of otoliths in a taxonomic analysis of fish

Otoliths of *Salmo salar* and *S. trutta* from Lake Ladoga were investigated.
En 9-11377.

Thomson, J.M. (1962) 10-13118 MF
In 10-10221:34-7
The condition of a fishery - sea mullet

Discusses evidence of changes in total catch and catch per man employed.

Thomson, J.M. (1962) 10-13119 MF
In 10-10221:58-62
The condition of a fishery - Lake Macquarie, New South Wales

Description of a mixed spp. fishery, reporting catch, number of fishermen and catch per man, with discussion of environmental changes that have taken place in the lake.

Stark, A.E. (1962) 10-13120 MF
In 10-10221:65-8
Age distribution of the commercial catch

Theoretical note on the design of a programme for sampling a commercial catch to ascertain its age composition.

Gulland, J.A. (1962) 10-13121 MF
In 10-10221:73-4
The theoretical background of the analysis of a fishery

General discussion on the kind of information assembled for the purpose of a stock assessment.

Stark, A.E. (1962) 10-13122 MF
In 10-10221:110-1
Fishery conservation problems

Discussion of exploitation models described by Zellner in: Actes de la 32me session de L'Institut International de Statistique, Tokyo 1960; Tome 38 - 3me livraison, Tokyo 1961.

Gulland, J.A (1962) 10-13123 MF
In 10-10221:112-5
Biological objectives of regulation

Discussion of yield curves and types of regulation with regard to their usefulness as a means of maintaining or increasing yield or to achieving other social or economic objectives.

Dunstan, D.J. (1962) 10-13124 MF
In 10-10221:149-52
The effects of increased minimum legal lengths on fish production in New South Wales with particular reference to bream

Discusses evidence derived from species composition of catch on the relative value of two different legal minimum lengths.

Olsen, A.M. (1962) 10-13125 MF
In 10-10221:147-8
The commercial scallop fishery of the d'Entrecasteaux Channel, Tasmania

Discusses the causes of fluctuating yields and the measures that might be adopted to manage the fishery.

Lederis, K. (1964) 10-13126 MF
Gen.comp.Endocr., 4:638-61
Fine structure and hormone content of the hypothalamo-neurohypophysial system of the rainbow trout (*Salmo irideus*) exposed to sea water

Stunkard, H.W. (1964) 10-13127 MF
Biol.Bull.,Woods Hole, 126(3):467-89
Studies on the trematode genus *Renicola:* observations on the life-history, specificity, and systematic position

Wunder, W. (1963) 10-13128 MF
Allg.Fisch.Ztg., 88(22):640-3
Körpergestalt und Lebensweise der Fische
(Body shape and mode of life of fish)

Chubb, J.C. (1963) 10-13129 MF
Proc.zool.Soc.Lond., 141(3):609-21
On the characterization of the parasite fauna of the fish of Llyn Tegid

Salmo salar, *S. trutta*, *Coregonus clupeoides pennantii*, *Thymallus thymallus*, *Esox lucius*, *Rutilus rutilus*, *Anguilla anguilla*, and *Perca fluviatilis*, were examined, and 28 spp. of parasites found. The relationship of the parasite fauna to the environment is discussed.

Krumholz, L.A. (1963)A 10-13130 MF
Int.Rev.Hydrobiol., 48(2):201-56
Relationships between fertility, sex ratio, and exposure to predation in populations of the mosquitofish *Gambusia manni* Hubbs at Bimini, Bahamas

Mohsen, T. & M. Émérit (1963)A 10-13131 MF
Vie et Milieu, 14(1):123-42
Contribution a l'étude de l'euryhalinité adaptative chez le Cyprinodonte Poeciliidae *Lebistes reticulatus* Peters
(Contribution to the study of the adaptive euryhalinity of cyprinodonts Poeciliidae *Lebistes reticulatus* Peters)

Arman, I.P. & A.A. Neifakh (1961) 10-13132 MF
Dokl.Akad.Nauk SSSR, 137:745-8
Radiatsionnoe vozdeistvie morfogeneticheskoi funktsii iader v rannem razvitii osetrovykh ryb
(Radiation effect of the morphogenetic function of nuclei in early growth of sturgeons)

Karmanova, E.M. (1961) 10-13133 MF
Trudy astrakh.Zapov., 5:330-6
Lichinki gel'mintov, obnaruzhennykh u oligokhet v iugo-zapadnoi chasti del'ty Volgi
(Helminth larvae discovered in oligochaetes in the south-west of the Volga delta)

Vasnetsov, V.V. (1961) 10-13134 MF
Trudy astrakh.Zapov., 5:163-79
Opyt issledovaniia povedeniia poluprokhodnykh ryb na nerestilishchakh
(An experiment in studying the behaviour of semi-migratory fishes in spawning grounds)

Vishnevetskii, F.E. (1961) 10-13135 MF
Trudy astrakh.Zapov., 5:350-2
Patomorfologiia otravleniia ryb fenolom i vodorastvorimymi komponentami syroi nefti, kamennougol'noi smoly i mazuta. (Eksperimental'noe issledovanie)
(Pathomorphology of fish poisoning by phenol and water-soluble components of crude oil, coal tar and mazut. Experimental investigation)

Gorbunov, K.V. & A.A. Kosova (1961) 10-13136 MF
Trudy astrakh.Zapov., 5:86-150
Pishchevye otnosheniia molodi ryb na poloe nizov'ev del'ty Volgi
(Food relations of fish fry in the overflow lands of the lower Volga Delta)

Boiko, E.G. & E.A. Kalinkina (1961) 10-13137 MF
Ryb.Khoz., 4:18-22
O vyzhivanii osetrovoi molodi raznykh vesovykh grupp
(Survival of sturgeon fry of different weight groups)

Votinov, N.P. & V.S. Iukhneva (1961) 10-13138 MF
Ryb.Khoz., 3:39-41
Polovoe sozrevanie sibirskogo osetra v usloviiakh pereryva nerestovoi migratsii
(Sexual maturity of the Siberian sturgeon under conditions of interrupted migration to spawning grounds)

Konovalov, P.M. (1961)C 10-13139 MF
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:21-32
Biologicheskie osnovy iskusstvennogo razvedeniia aral'skikh prokhodnykh ryb - shipa i usacha
(Biological basis for the artificial breeding of the migrant fishes Barbus brachycephalus Kessler and Acipenser nudiventris (Lov.))

Vul'fson, Pl.I. (1961) 10-13140 MF
Biokhimiia, 26:300-4
Azotistye ekstraktivnye veshchestva v myshtsakh ryb
(Nitrogen-extracting substances in fish muscle). En

Berdichevskii, L.S. (1961) 10-13141 MF
Izv.Akad.Nauk SSSR(geogr.), :28-36
Ratsional'noe ispol'zovanie rybnykh resursov Kaspiiskogo basseina
(Rational utilization of the Caspian fish population)

Vladimirov, V.I. (1961) 10-13142 MF
Zool.Zh., 40:547-55
Novaia (priust'evaia forma dneprovskoi sel'di i nekotorye voprosy sistematiki azovo-chernomorskikh sel'dei
(A new form of the Dnepr herring and some problems in Azov-Black Sea herring systematics).
En

Markov, G.S. & N.A. Kosareva 10-13143 MF
(1962)B
Zool.Zh., 41(10):1477-87
O Zakonomerno-razdel'noi i sovmestnoi vstrechaemosti sochlenov v parazitotsenozakh ryb
(The regular separate and joint occurrence of components in fish parasitocoenoses)

Markov, G.S. & N.A. Kosareva 10-13144 MF
(1964)C
RTS-2392:20 p.
The regular separate and joint occurrence of components in fish parasitocoenoses

En 10-13143.
Available from U.S. Department of Commerce, Washington D.C.

Bauer, O.N. (1964) 10-13145 MF
ETC TT-65-6047p:39 p.
Acanthocephala parasitizing fish of the Arctic province, their distribution and importance for fisheries

En Bauer, O.N., 1953.
Available from European Translations Centre, Delft, Netherlands.

Svetovidov, A.N. & E.A. 10-13146 MF
Dorofeeva (1963)B
Vop.Ikhtiol., 4(29):625-51
(Systematics, origin, and history of the distribution of the Eurasian and North American perches and pike-perches (genera Perca, Lucio-perca, and Stizostedion)). Ru

Svetovidov, A.N. & E.A. 10-13147 MF
Dorofeeva (L.Penny, Transl.)(n.d.)C
ETC TT-65-60322
Systematics, origin, and history of the distribution of the Eurasian and North American perches and pike-perches (genera Perca, Lucio-perca, and Stizostedion)

En 10-13146.
Available from European Translation Centre, Delft, Netherlands.

Dubrovskaia, N.V. (1964) 10-13148 MF
Transl.Ser.Fish.Res.Bd Can., (542):6 p.
The life cycle of the pink salmon of Primor'ye

A contribution to the knowledge of the biology of Oncorhynchus gorbuscha in off-shore waters of Okhotsk sea.
En N.V. Dubrovskaia, 1934.

Eniutina, R.I. (W.E. Ricker 10-13149 MF
Transl.)(1964)
Transl.Ser.Fish.Res.Bd Can., (510):7 p.
Concerning the supplementary ring in the nuclear portion of the scales of pink salmon, Oncorhynchus gorbuscha (Walb.)

En 10-13074.

Micklus, R.C. & M.W. Johnson 10-13150 F
(1962)
Invest.Rep.Div.Game Fish Minn., (248):10 p.
Evaluation of fishing pressure on 30 Minnesota stream trout lakes with associated angling catches, summer, 1961

Preliminary results of investigations to evaluate various stocking rates and species combinations, and sampling type of creel census conducted on six stream-trout lakes in order to estimate harvest of fish and catch success as well as fishing pressure.

Pruginin, J. (1962)A 10-13151 F
Bamidgeh, 14(1):16-8
Preliminary report on the culture of *Tilapia nilotica* as a supplementary fish in carp ponds in Israel in 1960 and 1961. *Iw*

Tal, E. (1962) 10-13152 F
Bamidgeh, 14(1):19-26
Preliminary study of fluctuations of vitamin B12 content in fish ponds in the Beith-Shean valley. *Iw*

Determination of presence of B12 in ponds as part of study of phytoflagellate *Prymnesium parvum* which requires B12 to survive

Houston, A.H. (1962) 10-13153 F
Canad.J.Zool., 40(7):1169-74
Some observations on water balance in the goldfish *Carassius auratus* L., during cold death

Results of investigation of disturbances in the water-electrolyte balance of fishes exposed to cold, and attempt to assess the likelihood that osmoregulatory malfunction might act as a lethal agency in the death of freshwater fishes at low temperatures.

Butler, L. (1962) 10-13154 F
Canad.J.Zool., 40(7):1277-86
Periodicities in the annual muskrat population figures for the province of Saskatchewan

A study of yearly production of muskrat pelts in Saskatchewan for the period 1915-1960 and correlation between muskrat cycle and precipitation.

Epstein, V.M. (1964) 10-13155 F
Dokl.Akad.Nauk SSSR, 159(5):1179-82
K zoogeograficheskoi kharakteristike ryb'ikh piiavok basseina Amura
(On the zoogeographic characteristics of Piscicolidae in the basin of the Amur River)

Describes two fish leeches from family Piscicolidae, *Trachclobdella okae* and *Piscicola amurensis* sp.n.

Nawar, G. & E.G. Yoakim (1964) 10-13156 F
Ann.Mag.nat.Hist., 7(73):1-3
A study of the fecundity of the Nile Schilbidae *Schilbe mystus* (Linnaeus 1762)

Smirnova, L.I. (1965) 10-13157 F
Dokl.Akad.Nauk SSSR, 160(1):240-2
Funktsional'noe znachenie embrional'nykh obolochek u nasekomykh
(Blood indices in *Lota vulgaris* under conditions of prolonged starvation and subsequent feeding)

Dovel, W.L. (1964) 10-13158 F
Chesapeake Sci., 4(4):161-6
Larval development of clingfish, *Gobiesox strumosus*, 4.0 to 12.0 millimeters total length

Massmann, W.H. (1964) 10-13159 F
Chesapeake Sci., 4(4):167-71
Summer food of juvenile American shad in Virginia waters

Pentelow, F.T.K. (1964) 10-13160 F
Ann.appl.Biol., 53:493-5
Freshwater fisheries research: Introduction

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Le Cren, E.D. (1964) 10-13161 F
Ann.appl.Biol., 53:495-7
Population dynamics and exploitation in some freshwater fish

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Cragg-Hine, D. (1964) 10-13162 F
Ann.appl.Biol., 53:498-501
An investigation into the biology of the coarse fish of a lowland stream

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

McConnell, R. (1964) 10-13163 F
Ann.appl.Biol., 53:502-3
Tropical fishery problems and research

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Bainbridge, R. (1964) 10-13164 F
Ann.appl.Biol., 53:505-8
The problem of excluding fish from water intakes

Paper presented to Symposium on Freshwater Fisheries Research, 14 February 1964.

Fleming, W.R., J.G. Stanley & A.H. Meier (1964) 10-13165 F
Gen.comp.Endocr., 4:61-7
Seasonal effects of external calcium, estradiol and ACTH on the serum calcium and sodium levels of *Fundulus kansae*

Reports seasonal changes in the serum calcium levels, the effect of various calcium levels of normal and estrogen-treated fish, and an antagonism between mammalian ACTH and estradiol as judged by their effects on serum sodium and calcium levels.

Clark, N.B. & W.R. Fleming (1963) 10-13166 F
Gen.comp.Endocr., 3:461-7
The effect of mammalian parathyroid hormone on bone histology and serum calcium levels in *Fundulus kansae*

A histological study suggesting that bone of *F. kansae* is relatively insensitive to mammalian PTH and estrogens. The changes in serum calcium observed after treatment with PTH depend on the supply of exogenous Ca available to the animals.

Jørgensen, C.B. & L.O. Larsen (1963) 10-13167 F
Gen.comp.Endocr., 4:468-72
Nature of the nervous control of pars intermedia function in amphibians: rate of functional recovery after denervation

Xenopus laevis, *Bufo bufo* and *Ambystoma mexicanum* were investigated.

Edgren, R.A. & D.L. Carter (1963) 10-13168 F
Gen.comp.Endocr., 3:526-8
Studies on progesterone-induced *in vitro* ovulation of *Rana pipiens*

The effects of a number of steroids on progesterone-induced ovulation were examined.

Voitkevich, A.A. (1963) 10-13169 F
Gen.comp.Endocr., 3:554-67
On the relation of neurosecretion to growth and cell differentiation in the amphibian adenohypophysis

Pelobates fuscus and *Rana esculenta* were used to study development of isolated adenohypophyses, with or without the additional introduction of neurosecretory substance.

Azevedo, P.de O. (1964)A 10-13170 F
Rural, 44(514):42
Crescimento e a engorda da tilápia (Growth and fattening of *Tilapia*)

TA September 1964.

ANON. (1964) 10-13171 F
Rice J., 67(1):22
Rice farmers raise crawfish in Louisiana paddies to lift income

TA June, 1964.

ANON. (1963) 10-13172 F
Rep.trop.Fish Cult.Res.Inst. Malacca, (1961-1962):22-4
Fertilizer trials

The results of 6 fertilizer trials conducted in Malaya demonstrated that phosphate is the most effective fertilizer for fishponds in areas like those in Malaya. The addition of nitrogen or potash or both appears to depress the crop of fish. There are indications that the increased fertility of the mud in treated ponds maintains the production of fish at a high level, even if no further fertilizer is added.
TA June, 1964.

ANON. (1961?)A 10-13173 F
Rep.trop.Fish Cult.Res.Inst.Malacca, (1960-1961):28-31
Economics of fish culture

TA October 1964.

Mordukhay-Boltovskoy, Ph.D. 10-13174 F
(1964)
Hydrobiologia, 23(1/2):159-64
Caspian fauna in fresh waters outside the Ponto-Caspian basin. De

Discusses distribution of 22 species from Ponto-Caspian basin outside boundaries of basin.

Peyraud, C. & A. Serfaty 10-13175 F
(1964)
Hydrobiologia, 23(1/2):165-78
Le rythme respiratoire de la carpe (Cyprinus carpio L.) et ses relations avec le taux de l'oxygène dissous dans le biotope
(The respiratory rhythm of carp (Cyprinus carpio L.) and its relations with the rate of oxygen dissolved in the biotope). En

Discusses effect of oxygen concentrations on rate of respiration.

Ehrlich, S. (1964) 10-13176 F
Hydrobiologia, 23(1/2):196-210
Studies on the influence of nutria on carp growth

Breeding of nutria on fish pond increases growth rate of carp in pond.

Groenewald, A.A.v.J. (1964) 10-13177 F
Hydrobiologia, 23(1/2):267-73
The role of Eutropius depressirostris Peters (Pisces: Schilbeidae) as a predator in a Lowveld impoundment in the Transvaal

Species composition, relative population density of small impoundment and food habits of E. depressirostris are given.

Serfaty, A. & M. Waitzenegger 10-13178 F
(1964)A
Hydrobiologia, 23(1/2):281-6
Influence des variations du facteur thermique sur l'intensité du reflexe aero-cardiaque chez la carpe commune (Cyprinus carpio L.)
(Influence of the variations in the thermic factor on the intensity of the aero-cardiac reflexe in the common carp (Cyprinus carpio L.))

Groenewald, A.A.v.J. (1964)A 10-13179 F
Hydrobiologia, 23(1/2):287-91
Observations on the food habits of Clarias gariepinus Burchell, the South African freshwater barbel (Pisces: Clariidae) in Transvaal

Srivastava, C.B. (1963) 10-13180 F
Indian J.Helminth., 15(1):36-44
On three new species of the genus Bucephalus Baer 1827 (Trematoda: Bucephalidae Poche, 1907), with remarks on the systematic position of B. indicus Srivastava

Description of three new species of trematodes, obtained from the intestines of Bagarius bagarius, with a discussion on the systematic position of Bucephalus indicus Strivastava.

Srivastava, C.B. (1963) 10-13181 F
Indian J.Helminth., 15(1):45-7
On Folliorchis vermai Sp. nov. (Trematoda: Allocreadiidae) from Eutropiichthys vacha (Ham.)

Description of a new species of trematode, parasitic in the intestine of Eutropiichthys vacha (Ham.).

Natarajan, A.V. & K.L. Shah 10-13182 F
(1963)
Curr.Sci., 29(10):513-4
A new element in the commercial fishery of Chilka Lake

The recent occurrence of Crenidens crenidens (Forskal) in Chilka Lake during the winter months in commercial quantities is recorded, with some observations on its biology and methods of fishing.

David, A. (1963) 10-13183 F
Proc.nat.Acad.Sci.India, 33(2):287-93
Studies on fish and fisheries of the Godavary and the Krishna River systems - Part 2. Systematic and zoo-geographical notes on fish species

A number of new records are recognised and discussed in the light of their systematic variations or zoo-geographical affinities. Pangasius pangasius of the two rivers is considered a new variety on account of its differences from the holotype.
Co 9-11281.

Lal, B. (1963) 10-13184 F
Sci.& Cult., 29(6):305-6
Biochemical studies on the ovary of Cirrhina mrigala (Hamilton) during different maturity stages.

Biochemical studies, in the light of cytochemical observations on the various maturity stages of the sp.

Saigal, B.N. (1963) 10-13185 F
Sci.& Cult., 29(6):306-7
Note on the use of vertebrae in age determination of the freshwater cat-fish Mystus (Osteobagrus) aor (Ham.) of the Ganga River system

The use of vertebrae in age estimation of the sp. is described and its validity discussed.

Tripathi, Y.R. (1962) 10-13186 F
Proc.all-India Congr.Zool., 1(2):191-217
Parasite copepods from Indian fishes. 3. Family Anthosomatidae and Dichelesthiidae

Seven new and four known species of Lernanthropus are described from food fishes. A key to species of Lernanthropus recorded from Indian fishes is also given. A new species of Eudactylina together with a key to the species of genus is given. Systematic position of Pseudocycnus and Cybicola is discussed and Cybicola is made a sub-genus of Pseudocycnus. A key to the species is given. A key to subfamilies and genera of Anthosomatidae and Dichelesthiidae is given.

Armitage, K.B. (1962) 10-13187 F
Kans.Univ.Sci.Bull., 43:611-44
A comparative limnological survey of Leavenworth county and Nemaha county state lakes

Results of studies on two impounding reservoirs in Kansas.
WPA 37(3)400.

Kostomarova, A.A. (1961)B 10-13188 F
Trud.Soveshch.ikhtiol.Kom., (13):334-47
Znachenie etapa smeshannogo pitaniia dlia vyzhivaemosti lichinok shchuki
(Significance of the phase of mixed feeding for the survival of pike larvae)

Kostomarova, A.A. (1963) 10-13189 F
5828.4(10 389)
Significance of the phase of mixed feeding for the survival of pike larvae

En 10-13188.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Pokrovskii, V.V. (1961)B 10-13190 F
Trud.Soveshch.ikhtiol.Kom., (13):228-34
Osnovnye faktory sredy, opredeliaiushchie chislennost' riapushki
(Basic environmental factors determining the abundance of the white fish)

Pokrovskii, V.V. (1963) 10-13191 F
5828.4(10 393)
Basic environmental factors determining the abundance of the white fish

En 10-13190.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Sergeeva, A.I. (1961)B 10-13192 F
Trud.Soveshch.ikhtiol.Kom., (13):402-10
Ob izmel'chanii severokaspiiskoi vobly
(The stunting of North Caspian roach)

Sergeeva, A.I. (1963) 10-13193 F
5828.4(10 395)
The stunting of North Caspian roach

En 10-13192.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Zemskaya, K.A. (1963) 10-13194 F
5828.4(10 390)
The influence of the feeding period and the number of reproducers on the abundance of posterity of the Caspian bream

En 9-04576.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Kun, M.S. et al. (1961)B 10-13195 F
Vop.Ikhtiol., (17):159-68
(The causes of carp disease in the Volga delta). Ru

Kun, M.S. et al. (1963) 10-13196 F
8732(1 055)
The causes of carp disease in the Volga delta

En 10-13195.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Baker, B.I. (1962) 10-13197 F
Thesis, London Univ.
The development and secretory activity of the pituitary gland of cichlids and a comparison of the meta-adenohypophysis with that of other teleosts

Hay, J.D.L. (1962) 10-13198 F
Thesis, Nottingham Univ.
Problems in the digestive physiology of a teleost fish, Carassius auratus L.

Khalil, L.F. (1962) 10-13199 F
Thesis, London Univ.
Systematic studies on the trematode, cestode and nematode parasites, mainly of fishes and birds in the Sudan

Alikunhi, K.H. & K.K. Sukumaran (1964) 10-13200 F
Proc.Indian Acad.Sci.(B), 60(3):171-88
Preliminary observations on Chinese carps in India

Observations on the cultural qualities and sexual maturity of the species, vis-a-vis the Indian species of cultivated carps.

Gopalakrishnan, V. (1964) 10-13201 F
Proc.zool.Soc.Bengal, 17(1):95-100
Recent developments in the prevention and control of parasites of fishes cultured in Indian waters

Recent investigations undertaken at the Central Inland Fisheries Research Institute, Barrackpore, have shown that many ectoparasitic infections on cultured fishes could either be prevented or treated. Two methods are generally adopted for chemical treatment, viz., dip treatment, and group or pond treatment. The parasitic infections discussed in the paper are those caused by Ichthyophthirius multifilis, Gostia necatrix, Gyrodastylus sp., Argulus spp., Isoparorchis hypselobagri, Ligula sp., and Saprolegnia parasitica. Biological control methods appear to be more suitable in the case of infections caused by Ligula and Isoparorchis hypselobagri.

Gopalakrishnan, V. & R.N. Pal (1964) 10-13202 F
Proc.zool.Soc.Bengal, 17(1):63-6
Advancements in the study of parasites of migratory fishes

Comprehensive programme of work to study the parasites of Hilsa has been initiated at the Central Inland Fisheries Research Institute, Barrackpore.

Jayaram, K.C. & M.P. Motwani (1963) 10-13203 F
Trop.Ecol., 4:29-39
Role of ecology in the distribution and abundance of fresh water fisheries

The effects of various physical, chemical and biological elements constituting the environment on fish populations have been elucidated.

Jhingran, V.C., A. David & P. Ray (1964) 10-13204 F
J.Bombay nat.Hist.Soc., 61(1):195-200
Death by cold of fish in the River Gondak, India

Sudden lowering of temperature probably directly affected the nervous system of fish.

Jhingran, V.G. & S. Jena (1964) 10-13205 F
Sci.& Cult., 30(9):464-6
Recovery of a tagged mullet, Liza troschelli (Bleeker), about a year after tagging in Chilka Lake, India

Recovery of a tagged mullet (Liza troschelli) 370 days after tagging.

Erkins, R.A. (1963) 10-13206 F
U.S.Trout News, 7(5):10-7
New trends in hatchery operation

Reviews current practices in egg production, live trout production and dressed trout production in commercial hatcheries.

ANON. (1963) 10-13207 F
U.S.Trout News, 7(5):21
Tranquilized trout easy to spawn

Use of tranquilizer Methyl Pentynol in artificial spawning operation.

Menon, A.G.K. (1963) 10-13208 F
Sci.& Cult., 29:43-4
Extension of geographical range of *Colisa chuna* (Ham.) with certain observations on the geography of the anabantid fishes

BSEA 9(3)2004.

Frost, W.E. (1963) 10-13209 F
Anim.Behav., 11(1):74-82
The homing of charr *Salvelinus willughbii* (Günther) in Windermere

A discussion of homing in two populations of charr in the lake which have different spawning sites and seasons. Reports marking and field experiments on transferred fish.

Stout, J.F. (1963) 10-13210 F
Anim.Behav., 11(1):83-92
The significance of sound production during the reproductive behaviour of *Notropis analostanus* (Family Cyprinidae)

Laboratory experiments on fish from 2 Maryland creeks to investigate the significance of "knock" sounds during fighting and "purring" during courtship, using recordings of male voices.

Stott, B., J.W.V. Elsdon & J.A.A. Johnston (1963) 10-13211 F
Anim.Behav., 11(1):93-6
Homing behaviour in Gudgeon (*Gobio gobio*, (L.))

Describes an experiment made in summer 1961 on the redistribution of 1,022 marked gudgeon after reciprocal transfer between 8 sections of the English river Mole.

Barlow, G.W. (1963)A 10-13212 F
Anim.Behav., 11(1):97-105
Ethology of the Asian teleost *Badis badis*. 2. Motivation and signal value of the colour patterns

Mackintosh, J. & N.S. Sutherland (1963) 10-13213 F
Anim.Behav., 11(1):135-41
Visual discrimination by the goldfish: the orientation of rectangles

Describes procedure and experiments presenting stereometric shapes with food rewards taken from the centre of the shape. *Carassius auratus* can discriminate between oblique shapes with more accuracy than octopus.

George, M.G. (1963) 10-13214 F
Curr.Sci., 32:79-80
Selective digestion in the major carps of India

BSEA 9(4)2642.

Reizer, Ch. (1964)A 10-13215 F
Bois For.Trop., 95:49-60
Comportement et reproduction d'*Heterotis niloticus* en petits étangs
(Behaviour and breeding habits of *Heterotis niloticus* in small ponds)

TA October 1964.

Banarescu, P. (1963) 10-13216 F
Bull.Mus.Hist.nat., Paris, 35(5):457-63
Révision du genre *Toxabramis* Gunther (Pisces, Cyprinidae)
(Revision of the genus *Toxabramis* Gunther (Pisces, Cyprinidae))

Comparison of *T. swinhonis* and of *T. s. houdemeri*.

Kawatsu, H. (1963) 10-13217 F
Bull.Freshw.Fish.Res.Lab., Tokyo, 13(1):51-4
(Hemosiserosis in cultured rainbow trout (*Salmo irideus* Gibbons)). *Ni* En

Observation of heavy hemosiderosis of spleen in histological examinations of trout from culture ponds, and relation of the disease to anaemia.

Shiraishi, Y. & Y. Furuta (1963)A 10-13218 F
Bull.Freshw.Fish.Res.Lab., Tokyo, 13(1):57-76
(Estimation of the distribution and the stock number of fishes in the Lake Ashinoko, Kanagawa prefecture from the records of the fish-finder). *Ni* En

Spillmann, J. (1963) 10-13219 F
Bull.Mus.Hist.nat., Paris, 35(5):464-7
Sur deux blageons, *Telestes soufia agassizi* (C.V.), présentant des signes d'hybridation avec le vairon, *Phoxinus phoxinus* (L.). (Poissons Cyprinides)
(On two *Telestes soufia agassizi* (C.V.), presenting signs of hybridization with minnow *Phoxinus phoxinus* (L.). (Cyprinid fishes))

Tabulation of comparative data and interpretation of the characters.

Terao, T. & A. Imai (1963) 10-13220 F
Sci.Rep.Hokkaido Fish.Hatch., (18):93-122
(Limnological conditions and fish culture in Reservoir Katsurasawa, Hokkaido). Ni

Yamamoto, T.S. (1963) 10-13221 F
J.Fac.Sci.Hokkaido (6), 15(2):190-201
Eggs and ovaries of the stickleback, Pungitius tymensis, with a note on the formation of a jelly-like substance surrounding the egg

Morphological investigation of the structure of eggs and ovaries in order to find the source of a jelly-like substance surrounding newly spawned eggs, undertaken as contribution to a study of the activation or fertilization of fish eggs.

Boulenger, G.A. (1964)C 10-13222 F
New York, Stechert-Hafner, Inc., 629 p.
Fishes of the Nile. (Zoology of Egypt. 2)

With atlas and ill. 103 plates & 2 maps.
NE 1907, G.A. Boulenger.

Boulenger, G.A. (1964)C 10-13223 F
New York, Stechert-Hafner, Inc., 4 vols:1882 p.
Catalogue of the freshwater fishes of Africa

NE 1916, G.A. Boulenger.

Schrenkeisen, R. (1963)C 10-13224 F
New York, G.P. Putnam's Sons, 312 p.
Field book of fresh-water fishes of North America, north of Mexico

A reprint of a popular angler's identificatory handbook.

Hempel, J. (1963) 10-13225 F
Ann.zool., Warsz., 20(18):343-52
Obserwacje biologiczne nad przekopnica Triops cancriformis (Bosc) w warunkach naturalnych i w hodowli
(Biological observations dealing with Triops cancriformis (Bosc) under natural and laboratory breeding conditions). Pl
Ru En

Incl. description of embryology larval development and feeding.

Wikgren, B-J. P. (1964) 10-13226 F
Comment.biol., Helsinki, 26(6):11 p.
A contribution to the occurrence of plerocercoids of Diphyllobothrium latum in Finland

13 freshwater spp. of fish from 2 districts in Finland were investigated. D. latum larvae were found in 4 spp. The intensity of the infection was relatively low.

Bern. H.A. (1963) 10-13227 F
Proc.Soc.exp.Biol., N.Y., 112(3):805-8
Effect of corticoids on spleen of the cichlid fish, Tilapia mossambica

Splenic atrophy is one of the generally observed consequences of glucocorticoid administration to mammals. In an experiment designed to determine the effect of short-term treatment with cortisol on interrenal histology of the euryhaline freshwater cichlid teleost, Tilapia mossambica, the expected decrease in spleen weight was not observed. Additional experiments were then conducted to examine the response of the spleen in Tilapia to the mammalian "glucocorticoid", cortisaol, and to the mammalian "mineralocorticoid" deoxycorticosterone.
Issued also as: Contr.Hawaii Mar.Lab., (184).

von Balon, E.K. (1964)A 10-13228 F
Hydrobiologia, 24(1/3):441-51
Verzeichnis und ökologische Charakteristik der Fische der Donau
(List and ecological characteristics of the Danube fishes)

Singh, V.D. (1963) 10-13229 F
Indian Livestk, 1(1):7-9
A way to higher returns from small areas - Mixed farming on a fish farm

Describes arrangement of farm with details on building fish ponds, layout of ponds and operation for fish culture, and also for animal husbandry unit and vegetable unit.

Hariharan, T. (1963) 10-13230 F
Indian Livestk, 1(1):50-1
Fisheries development and planning

General account of some diseases and their control.

Hargreaves, A.B. et al. (1963) 10-13231 F
Biochim.biophys.Acta, 67(4):641-6
A simplified and improved method of preparation of acetylcholinesterase of the eel's electric organ

Electrophorus electricus (L.).

Opuszyński, K. (1963) 10-13232 F
Ekol.polsk.(A), 11(2):60-85
Attempts at investigating elvers (Anguilla anguilla L.) in Polish inland waters

Field observations, experiments and rearing elvers in aquaria are reported, concerning morphological characteristics and taxonomy, biology and effect of transport on survival, growth and development of elvers examined. Ill. tables.

Holden, M.J. (1963)A 10-13233 F
Fish.Publ., Lond., (19):58 p.
The populations of fish in dry season pools of the River Sokoto

Kiener, A. (1963)C 10-13234 F
Seine. Nogent-Sur-Marne, Centre Technique Forestier Tropical, 160 p.
Poissons, pêche et pisciculture à Madagascar
(Fishes, fisheries and fish culture in Madagascar)

Describes local and introduced species of commercial freshwater fishes; fishing methods and gear; fish regulations. Gives information on fish consumption and fishery products. Deals with problems in fish-breeding and fish culture in rice fields. aquarium plants and fishes.
Referred to also as: Publ.Cent.Tech.for. trop.

Sreenivasan, A. (1964)A 10-13235 F
Ecology, 45(1):197-8
Fish mortality in an upland lake in Madras State

John, K.R. (1964) 10-13236 F
Ecology, 45(1):112-9
Survival of fish in intermittent streams of the Chiricahua Mountains, Arizona

Climate, stream conditions in hydrological cycle, temperature tolerance, predators, were observed as main factors of investigations.

Trautner, K. & F. Bramstedt (1963) 10-13237 F
Arch.FischWiss., 13(3):130-8
Der Einfluss verschiedener Fang - und Tötungsmethoden auf den ATP - und Glykogengehalt der Forellenmuskulatur
(The influence of different methods of catching and killing on the content of ATP and glycogen in trout muscle). En

Electrical fishing resulted in least loss of content, and more intensive and longer rigor mortis.

Mann, H. (1963) 10-13238 F
Arch.FischWiss., 13(3):126-8
Tracheliastes maculatus (Copepoda parasitica) auf den Schuppen von Elbfischen
(Tracheliastes maculatus (Copepoda parasitica) on the scales of Elbe fishes). En

Found on the dorsum or caudal peduncle of Abramis brama.

Hofbauer, J. (1963) 10-13239 F
Arch.FischWiss., 13(3):92-125
Aufstieg der Fische in den Fischpässen des mehrfach gestauten Maines
(The ascent of fish by passes on the multiple dammed Main). En

Compares present day ascents with those in 1930. Presents findings on factors influencing ascent.

Karaman, M.S. (1963)A 10-13240 F
Int.Rev.Hydrobiol., 48(4):629-32
Eine neue Unterart des Steinpeitzgers, Cobitis aurata bosniaca n. sp. (Cobitidae, Pisces), aus Jugoslawien
(A new subspecies of a loach Cobitis aurata bosniaca n. spp. (Cobitidae, Pisces) from Yugoslavia)

Peters, H.M. (1963) 10-13241 F
Int.Rev.Hydrobiol., 48(4):547-76
Eizahl, Eigewicht und Gelegeentwicklung in der Gattung *Tilapia* (Cichlidae, Teleostei) (Number, weight and development of eggs of the genus *Tilapia* (Cichlidae, Teleostei).
En

Comparative study of relationship between body weight, and number, size and weight of spawned eggs in mouth- and non-mouth breeders.

Magnuson, J.J. & L.L. Smith Jr. (1963) 10-13242 F
Ecology, 44(1):83-95
Some phases of the life history of the trout-perch

Incl.studies on: seasonal growth; annual fluctuations in growth; year class strength and factors affecting year class strengths; and reproduction *Percopsis omiscomayens*.

Regier, H.A. (1963) 10-13243 F
N.Y.Fish Game J., 10(1):1-89
Ecology and management of largemouth bass and bluegills in farm ponds in New York

Concerns largemouth bass (*Micropterus salmoides*) and bluegills (*Lepomis macrochirus*) stocked according to three different formulae. Data on survival, growth, reproduction, standing crops, harvests, and population condition were summarized and compared. Pond-owner preferences and practices, and pond costs, were determined.

Liebmann, H. & H.H. Reichenbach-Klinke (1964) 10-13244 F
Arch.FischWiss., 15(2):94-113
Untersuchungen zur Epidemiologie und Ökologie der Forellenseuche (Investigations on the epidemiology and ecology of the virus-septicaemia of trout).
En

Experiments carried out with *Salmo gairdneri*.

Lüling. K.H. (1963) 10-13245 F
Sci.Amer., 209(1):100-6
The archer fish

Downs insect prey with a spout of water. Discussion of anatomical and behavioral adaptations of *Toxotes jaculatrix*.

Tripathi, S.D. (1963) 10-13246 F
Indian Livestock, 1(2):53-4
Fish as a by-product of paddy cultivation

Describes methods of culturing fish in paddy fields.

Iwai, T. (1964) 10-13247 F
Bull.Misaki mar.biol.Inst., (5):31-7
Development of cupulae in free neuromasts of the Japanese medaka, *Oryzias latipes* (Temminck et Schlegel)

Ill. description of developmental stages.

Kitamikado, M., T. Morishita & S. Tachino (1964) 10-13248 F
Bull.Jap.Soc.sci.Fish., 30(1):46-9
(Digestibility of dietary protein in rainbow trout. 1. Digestibility of several dietary proteins). Ni En

Kitamikado, M., T. Morishita & S. Tachino (1964) 10-13249 F
Bull.Jap.Soc.sci.Fish., 30(1):50-4
(Digestibility of dietary protein in rainbow trout. 2. Effect of starch and oil contents in diets, and size of fish).
Ni En

Co 10-13248.

Lake, J.S. (1964) 10-13250 F
Fish.Newslett.Aust., 23(9):24-5, 7
Freshwater fisheries - problems and potential

Note on the work of the N.S.W. fisheries research station at Narrandera in acquiring information on basic biology of native spp. prior to their use in stocking fish farms.

McDowall, R.M. (1964) 10-13251 F
Tuatara, 12(2):59-67
The affinities and derivation of the New Zealand freshwater fish fauna

Nature and broad relationships of the fauna; derivation and dispersal of the fauna.

Shirai, K. (1964) 10-13252 F
Bull.Fac.Fish.Hokkaido, 14(4):193-7
Histological study on the ovipositor of the rose bitterling, *Rhodeus ocellatus*

Study of morphological changes of the genital tract, with special attention to histological changes of the ovipositor in various growth phases.

ANON. (1964) 10-13253 F
Fish.Newslett.Aust., 23(5):21
Trout egg exports successful

Report on consignment of half a million Australian rainbow trout eggs to Snake River Trout Ranch, Idaho, and brief description of culture methods at the ranch.

Carras, S. (1963) 10-13254 F
Priroda, Moskva, (10):105-5
(The sense of smell on fishes). *Ru*

Robertson, J.D., T.S. Bodenheimer D.E. Stage (1963) 10-13255 F
J.Cell Biol., 19(1):169-201
The ultrastructure of Mauthner cell synapses and nodes in goldfish brains

Szczerbowski, J.A. (1963)A 10-13256 F
Zesz.nauk.wyzsz.Szk.roln.Olsztyn, 16(1):61-72
Presja szczupaka na mlodziez troci (*Salmo trutta m. lacustris* L.) z jeziora Wdzydze w potoku Trzebiocha
(The pressure of pike on young trouts (*Salmo trutta m. lacustris* L.) from the Lake Wdzydze in the stream Trzebiocha).
Pl En

Brylińska, M. (1963)A 10-13257 F
Zesz.nauk.wyzsz.Szk.roln.Olsztyn, 16(1):79-102
Rozród leszeza (*Abramis brama* L.) w jeziorze Wdzydze
(Propagation of bream in the Lake Wdzydze).
Pl En

Brylińska, M. (1963)A 10-13258 F
Zesz.nauk.wyzsz.Szk.roln.Olsztyn, 16(1):103-16
Plodność leszcza (*Abramis brama* L.) w jeziorze Wdzydze
(Fecundity of bream in the Lake Wdzydze).
Pl En

Mišík, V. (1963) 10-13259 F
Biológia, 18(2):149-55
Príspevok k poznaniu početného a váhového množstva rýb v odvodňovacích kanáloch Žitného ostrova
(Contribution to the knowledge of the number and weight of fishes in the drainage channels of the Žitný Ostrov). *Slovi*
Ru De

Winn, H.E. & J.A. Marshall (1963)A 10-13260 F
Physiol.Zoöl., 36(1):34-44
Sound-producing organ of the squirrelfish, *Holocentrus rufus*

Alikunhi, K.H. (1963) 10-13261 F
Proc.Indo-Pacif.Fish.Coun., 10(2):181-204
Induced spawning of the Chinese grass carp. *Ctenopharyngodon idellus* (C. & V.) and the silver carp *Hypophthalmichthys molitrix* (C. & V.) in ponds at Cuttack, India

Discusses sexual maturation in ponds. Fertilizable eggs and viable milt were obtained by intramuscular injection of pituitary extracts, homoplastic, and heteroplastic using Indian carp as donors. Rate of hatching and subsequent survival and growth of the fry is described.
Pr 184me, NE 9-01480.

Alikunhi, K.H. *et al*. (1964) 10-13262 F
Bull.Centr.Inl.Fish.Res.Inst., (3):19 p.
Preliminary observations on commercial breeding of Indian carps under controlled temperature in the laboratory

First successful experiments in inducing the major Indian carps catla, rohu and mrigal to breed in the laboratory by administering pituitary hormone injections and controlling water temperature, carried out at Cuttack during July-September, 1963 are reported in detail.

Badami, V.C. & A. David (1964) 10-13263 F
Curr.Sci., 33(10):310-2
Preliminary observations on the successful inducement of breeding of *Catla catla* (Hamilton)

Success achieved in the induced breeding of *Catla catla* (Hamilton), by administering pituitary hormone is reported.

Chaudhuri, H. (1963)A 10-13264 F
Proc.nat.Acad.Sci.India(B), 29(4):478-87
Induced spawning of Indian carps

Lal, B. (1964)A 10-13265 F
Proc.Indian Acad.Sci.(B), 59(6):340-9
Morphological, histological and histochemical studies of the pituitary gland of *Cirrhina mrigala* (Hamilton)

Pillay, S.R. & K.V. Rao (1963) 10-13266 F
Proc.Indo-Pacif.Fish.Coun., 10(2):37-61
Observations on the biology and fishery of the hilsa, *Hilsa ilisha* (Hamilton) of River Godavari

Observations from 1957 to 1961 are recorded.

Pillay, S.R., K.V. Rao & P.K. Mathur (1963) 10-13267 F
Proc.Indo-Pacif.Fish.Coun., 10(2):28-36
Preliminary report on the tagging of the hilsa, *Hilsa ilisha* (Hamilton)

In the Hooghly, Padma and Ganga, 5875 fish were tagged, recoveries were 10.81%, 4.13% and 3.48% respectively.

Pillay, T.V.R., S.R. Pillay & K.K. Ghosh (1963) 10-13268 F
Proc.Indo-Pacif.Fish.Coun., 10(2):62-104
A comparative study of the populations of the hilsa, *Hilsa ilisha* (Hamilton) in Indian waters

Comparison of regression and D^2 analysis of body measurements as well as the comparision of meristic counts have shown that the *Hilsa* populations in the rivers Hooghly, Ganga-Padma, Brahmaputra, Barak, Godavari, Krishna-Cauvery and Narbada, the Chilka Lake and the Saurashtra coast differ significantly from one another.

Saha, S.B. (1963) 10-13269 F
Indian Livestock, 1(4):25-6, 47
What fishes feed on

Importance of plankton in the nutritional requirements of fishes is briefly discussed.

Saxena, R.K. (1964)A 10-13270 F
Sci. & Cult., 30(4):204-5
Technique of photographing small vertebrae centra as an aid to decipher the age of *Rita rita* (Ham.)

Hikita, T. (1964) 10-13271 F
Sci.Rep.Hokkaido Salm.Hatch., (18):113-6
(On the recent distribution of two small cyprinid fishes, *Pseudorasbora parva pumila* (Miyadi) and *P. parva parva* (Temmink and Schlegel) in Hokkaido Island, Japan). *Ni*

Ill. description of *P. parva pumila* and comparison of counts and measurements with those of *P. parva parva*.

Yamada, J. (1964) 10-13272 F
Bull.Fac.Fish.Hokkaido, 14(4):199-207
On the feature of scales developed in the regenerated skin of the goldfish, with special reference to the formation of their concentric ridges

Classification of scales into 4 types according to superficial pattern and size and shape; analysis, in each type, of correlation between scale feature and histological environment for growth; comparison of superficial pattern, particularly mean interval of concentric ridges, with other scales.

Kobayashi, S. et al. (1964) 10-13273 F
Bull.Jap.Soc.sci.Fish., 30(1):6-13
Calcification in fish and shell-fish. 1. Tetracycline labelling patterns on scale, centrum and otolith in young goldfish

Comparison of the multiple markings of scale, centrum and otolith of young goldfish by administering various amounts of tetracycline at intervals of one, two and three months.

Hyodo, Y. (1964) 10-13274 F
Annot.zool.jap., 37(2):104-11
Effect of X-irradiation on the intestinal epithelium of the goldfish, Carassius auratus. 1. Histological changes in the intestine of irradiated fish

Changes in epithelial cell population, and frequency of mitoses.

Shontz, C.J. (1962) 10-13275 F
Thesis, Univ.of Pittsburgh, 167 p.
The effects of altitude and latitude on the morphometry, meristics, growth and fecundity of the Eastern blacknose dace, Rhinichthys atratulus atratulus (Hermann)

Purpose of study to determine whether a single subspecies of minnow exhibits over its range, variations in morphometry (body form), meristics (fin ray, scale, and vertebrae numbers), growth and fecundity. Three river systems were chosen, the James River, Penobscot River and Delaware River.
DA 24(3):1303.

James, S.M. (1963) 10-13276 F
Thesis, Pennsylvania State Univ., 82 p.
Studies of erythrocyte antigens in two trout species of the genus Salvelinus

Immunogenetics of Salvelinus namaycush and S. fontinalis.
DA 24(3):935.

Jimbo, G. et al. (1963) 10-13277 F
Bull.Yamaguchi med.Sch., 10:49-52
Electron microscope observation on epidermis of teleost, Salmo irideus

Furtado, J.I. (1963) 10-13278 F
Z.Parasitenk., 23:219-25
On Acanthogyrus partispinus nov.sp. (Quadrigyridae, Acanthocephala) from a Malayan cyprinid, Hampala macrolepidota Van Hasselt

Dornesco, G.T. et al. (1963) 10-13279 F
Anat.Anz., 113:136-45
(The structure of the aorta and blood vessels in carp (Cyprinus carpio L.)). Fr

Gofman-Kadoshnikov, P.B. et al. (1963) 10-13280 F
Med.Parazit.,Moskva, 32:460-5
(The role of the stickleback in the propagation of diphyllobothriasis). Ru

Summers, M.W. (1963)BC 10-13281 F
New Orleans, Louisiana Wild Life & Fisheries Commission, 64 p.
Managing Louisiana fish ponds

Stegman, K. (1963) 10-13282 F
Gosp.Rybna, 15:3-4
Interpretacja wyników doświadczeń rybackich w gospodarstwach stawowych
(Interpretation of the results of fisheries experiments in pond management). Pl

Smirnova, L.I. (1962)B 10-13283 F
Vop.Ikhtiol., 2(4):677-86
(Seasonal blood changes in fish of the Rybinsk reservoir). Ru

Smirnova, L.I. (1963) 10-13284 F
9022.56(NS 5)
Seasonal blood changes in fish of the Rybinsk reservoir

En 10-13283.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire.

Savage, R.M. (1965) 10-13285 F
Nature,Lond., 205(4971):618-9
External stimulus for the natural spawning of Xenopus laevis

Crisp, D.T. (1963) 10-13286 F
Salm.Trout Mag., (167):45-59
A preliminary survey of brown trout (Salmo trutta L.) and bullheads (Cottus gobio L.) in high altitude becks

Studies at 1,800 ft. (550 m) in Westmorland, England, potamological, age and growth, food, reproduction, parasites, population density.

Olson, D.E. & W.J. Scidmore (1963) 10-13287 F
Trans.Amer.Fish.Soc., 92(1):13-16
Homing tendency of spawning white suckers in Many Point Lake, Minnesota

Recapture of marked suckers indicates homing tendency to specific spawning sites.

Isaac, G.W. & C.E. Bond (1963) 10-13288 F
Trans.Amer.Fish.Soc., 92(1):25-9
Standing crops of fish in Oregon farm ponds

Standing crops of largemouth bass and bluegills in farm ponds was estimated by mark and recapture or by draining and enumeration.

Allison, L.N. (1963) 10-13289 F
Trans.Amer.Fish.Soc., 92(1):34-8
Cataract in hatchery lake trout

Describes experiments with diet, handling and riboflavin injections in attempts to control cataract.

Reimers, N. (1963) 10-13290 F
Trans.Amer.Fish.Soc., 92(1):39-46
Body condition, water temperature, and overwinter survival of hatchery-reared trout in Convict Creek, California

Describes the association of winter trout mortality with progressive weight losses and with seasonal cycle of stream temperatures.

Forney, J.L. (1963) 10-13291 F
Trans.Amer.Fish.Soc., 92(1):47-52
Distribution and movement of marked walleyes in Oneida Lake, New York

Summarizes movements from recapture of marked fish.

Latta, W.C. (1963) 10-13292 F
Trans.Amer.Fish.Soc., 92(1):53-9
Semiannual estimates of natural mortality of hatchery brook trout in lakes

Instantaneous and conditional mortality rates were calculated for each year class of brook trout from two lakes.

Lewis, W.M. & S.D. Lewis (1963) 10-13293 F
Trans.Amer.Fish.Soc., 92(1):60-2
Control of epizootics of Gyrodactylus elegans in golden shiner populations

Control obtained by use of 25 ppm formalin in ponds, and in tanks with 50 ppm for 14 hours.

Parisot, T.J. & W.T. Yasutake (1963) 10-13294 F
Trans.Amer.Fish.Soc., 92(1):63-6
A new geographic and host record for infectious pancreatic necrosis

Authenticates occurrence for the first time in western U.S. and cutthroat represents new host.

Welch, E.B., M. Hull & M. Katz (1963) 10-13295 F
Trans.Amer.Fish.Soc., 92(1):67-8
A trout with two dorsal fins

Describes abnormal trout.

Doxtater, G.D. (1963) 10-13296 F
Trans.Amer.Fish.Soc., 92(1):68
Use of ice water to prevent regurgitation of stomach contents of fish

Describes technique to prevent regurgitation of stomach contents in preserving specimens.

Gery, J. (1963) 10-13297 F
Senckenbergiana biol., 44(1):25-31
Copella vilmae n.sp. (Pisces, Characoidei).
Fr

Taxonomic description of the sp. from South America which is compared with *C. nattereri* and *C. compta*.

Murphy, G.I. (1963) 10-13298 F
Calif.Fish Game, 49(1):16-9
Trout survival in Taylor Creek, a tributary of Lake Tahoe, California

Describes a short-term experiment on survival of hatchery-reared *Salmo gairdnerii* fingerlings in a short stream section.

Miller, R.R. (1963) 10-13299 F
Calif.Fish Game, 49(1):20-9
Synonymy, characters, and variation of *Gila crassicauda*, a rare Californian minnow, with an account of its hybridization with *Lavinia exilicauda*

Nigeria. Federal Fisheries Service (1963) 10-13300 F
Bull.Inst.franç.Afr.noire(A), 25(1):285-96
Carp farming on the Jos plateau

Describes the methods which have been developed in carp-farming on the Jos plateau of Nigeria between 1954 and 1961. Refers to growth rates, stocking and cropping data, and production of indigenous fish.

Ehlinger, N.F. (1963)A 10-13301 F
Progr.Fish Cult., 25(1):3-7
Kidney disease in lake trout complicated by lymphosarcoma

Phillips, A.M.,Jr. *et al.* (1963) 10-13302 F
Progr.Fish.Cult., 25(1):8-14
The effect of diet mixture and calorie source on growth, mortality, conversion, and chemical composition of brook trout

The present series of experiments was designed to determine the use of calorie sources by trout and to estimate the value of fat as a replacement for a portion of the total calories in a standard diet.

Wallis, O.L. (1963) 10-13303 F
Progr.Fish Cult., 25(1):15-22
Trout stocking-frequency cycles and a device to determine age classes of trout present

Describes use of a set of charts for determining age classes of trout present in streams where stocking occurs, and describes how to make charts.

Workman, G.W. & J.M. Neuhold (1963)A 10-13304 F
Progr.Fish Cult., 25(1):23-30
Lethal concentrations of toxaphene for goldfish, mosquitofish, and rainbow trout, with notes on detoxification

Purkett, C.A.,Jr. (1963) 10-13305 F
Progr.Fish Cult., 25(1):31-3
Artificial propagation of paddlefish

Describes successful attempt to artificially propagate paddlefish (*Polyodon spathula*).

Snow, J.R. (1963)A 10-13306 F
Progr.Fish Cult., 25(1):49
A method of distinguishing male bass at spawning time

Snieszko, S.F. (1963) 10-13307 F
Progr.Fish Cult., 25(1):50-2
Two foreign papers and an evaluation of the use of antibiotics to control infectious dropsy

Abstracts and reviews findings of 2 papers on infectious dropsy in carp.
Re 60-9570 and 60-5393.

Waite, D. & K. Buss (1963) 10-13308 F
Progr.Fish Cult., 25(1):52
An automatic feeder for trout

Describes pellet disperser.

Beal, F.R. (1963) 10-13309 F
Progr.Fish Cult., 25(1):53-4
Unit used to plant mountain lakes

Describes fish tank used for air planting of trout.

Perkins, F.E. (1963) 10-13310 F
Progr.Fish Cult., 25(1):56
A gravity food dispenser for laboratory fish

Describes apparatus.

Peczalska, A. (1963) 10-13311 F
Polsk.Arch.Hydrobiol., 11(24):109-39
Z biologii rozrodu leszcza Zalewu Szczecińskiego
(The reproductive biology of bream from Stettin Bay). *Pl* En Ru

Investigations on age, body length and weight, sex, maturity, gonad weight, and fecundity. Data are given on the annual cycle and the age of maturation.

Greenwood, P.H. (1963) 10-13312 F
Proc.zool.Soc.Lond., 140(1):61-74
A collection of fishes from the Aswa River drainage system, Uganda

The fishes described are the first to be collected from the Aswa. Two surprising features of the fish fauna are an endemic *Synodontis* species and an endemic and phyletically isolated species of *Haplochromis*.

Weatherley, A.H. (1963)A 10-13313 F
Proc.zool.Soc.Lond., 140(2):161-7
A note on the head kidney and kidney of the perch *Perca fluviatilis* (Linnaeus), with special reference to the blood vascular system

Miller, R.J. (1963)A 10-13314 F
Amer.Midl.Nat., 69(1):1-33
Comparative morphology of three cyprinid fishes: *Notropis cornutus*, *Notropis rubellus*, and the hybrid, *Notropis cornutus* X *Notropis rubellus*

Hanson, W.D. & R.S. Campbell (1963)A 10-13315 F
Amer.Midl.Nat., 69(1):136-49
The effects of pool size and beaver activity on distribution and abundance of warm-water fishes in a north Missouri stream

Lelek, A. (1963) 10-13316 F
Zool.Listy, 12(1):25-42
Příspěvek k poznání kvantitativního výskytu ryb v několika úsecích toku reky Rokytné
(Contribution to the knowledge of the quantitative occurrence of fishes inhabiting some sections of Rokytna River). *Hr* En

Kaplan, M.T. & M.D. Appleman (1963) 10-13317 F
Appl.Microbiol., 11(1):69-74
Toxic effect of staphylococcal lysins for goldfish

Goldfish died within 24 hrs after intraperitoneal injections of 0.2 ml of Seitz filtrates of hemolytic *Staphylococcus aureus* grown on Dolman and Wilson medium under increased CO2 pressure for 72 to 96 hrs. Two lethal toxins differing in heat sensitivity, antigenicity, and degree of toxicity were demonstrated. Studies of relationship between the lethal factors and the hemolysins in the filtrates suggested that α and β-lysin were responsible for the lethal effects. Filtrates of nonhemolytic staphylococcal cultures were innocuous. Goldfish were suitable animals for detecting toxicity in staphylococcal culture filtrates and for quantitative studies of the toxins. The results were highly reproducible.

Pokrovskii, V.V. (U.K.MAFF, Transl.)(1963) 10-13318 F
Lowestoft, 9 p., mimeo
Basic environmental factors determining the abundance of the whitefish

En 10-13190.

Kostomarova, A.A. (U.K.MAFF, Transl.)(1963) 10-13319 F
Lowestoft, 5 p., mimeo
Significance of the phase of mixed feeding for the survival of pike larvae

En 10-13188.

Sundararaj, B.I. & M.R.N. Prasad (1963) 10-13320 F
Naturwissenschaften, 50(9):362-3
Role of saccus vasculosus in teleosts - a new interpretation

Results of experiments carried out with *Notopterus chitala* (Ham.).

Calhoun, A. (1963) 10-13321 F
Inl.Fish.adm.Rep.Calif., 63-3:15 p.
Urban trout angling

Describes recent experiences with urban fishing in California and elsewhere, and their implications for planning future programme.

Cheverie, J.C. & W.G. Lynn 10-13322 F
(1963)
Biol.Bull.,Woods Hole, 124(2):153-62
High temperature tolerance and thyroid activity in the teleost fish, Tanichthys albonubes

Fish rendered hypothyroid by immersion in 0.05% thiourea then acclimated to 15 deg.C, had a slightly lower upper lethal temperature than controls.

Harrison, A.C. (1963)A 10-13323 F
Piscator, 16(56):81-4
Notes on the introduction of smallmouth bass to the Berg River

Jubb, R.A. (1963) 10-13324 F
Piscator, 16(56):85
Freshwater eels, Anguilla spp., in Madagascar

Lists species.

Harrison, A.C. (1963)A 10-13325 F
Piscator, 16(56):95-105
Silvermine (Muizenberg) reservoir. An account of an experiment with trout in acid water

Ozaki, H. (1963) 10-13326 F
J.Fac.Fish.Univ.Mie, 6(1):1-25
(Lethal doses of PCP-Na in fishes). Ni
En

Experiments carried out on Carassius auratus, Cyprinus carpio and Oryzias latipes to determine lethal doses and concentrations, survival time, intoxication symptoms.

Tamura, O., M. Kitadi & S. Maeda 10-13327 F
(1964)
Bull.Fac.Fish.Nagasaki, (17):87-96
(On the influence of some agricultural chemicals, etc. on the hematological characters of fish. 1.). Ni En

Measurement of the effect of PCP and Smithion on the blood of carp; also effect of waste solution of paper industry.

Higashi, H. et al. (1964) 10-13328 F
Bull.Jap.Soc.sci.Fish., 30(9):778-85
(Effect of dietary lipid on fish under cultivation. 1. Effect of large amounts of lipid on health and growth rate of rainbow trout). Ni En

Results of breeding experiment with Salmo irideus using diets containing differing amounts and combinations of fin whale oil and residual oil from molecular distillation of vitamin A of Alaska pollack liver oil.

Sato, M. & M. Ishida (1964)A 10-13329 F
Zool.Mag., Tokyo, 73(5):153-4
(Preliminary report on the fine structure of the clavate cell of an oriental catfish, Parasilurus asotus). Ni En

Weisel, G.F. (1962) 10-13330 F
Amer.Midl.Nat., 68(2):334-46
Comparative study of the digestive tract of a sucker, Catostomus catostomus, and a predacious minnow, Ptychocheilus oregonense

The gross and microscopic anatomy of the digestive tract of both species is described, as are feeding habits and presumed evolution.

Schwartz, F.J. & E.W. Dutcher 10-13331 F
(1962)
Amer.Midl.Nat., 68(2):369-75
Tooth replacement and food of the cyprinid Notropis cerasinus from the Roanoke River, Virginia

A study to consider whether tooth replacement is influenced seasonally by the type of food eaten.

Parmalee, P.W. (1962) 10-13332 F
Amer.Midl.Nat., 68(2):399-408
The faunal complex of the Fisher Site, Illinois

Incl. a description of aquatic animal remains found in an ancient Indian site 300 - 1600 A.D.

Fisher, H.J. (1962) 10-13333 F
Amer.Midl.Nat., 68(2):424-9
Some fishes of the lower Missouri River

In 1945, sixty spp. of fishes were taken on a fisheries and limnological survey of the Missouri River between the Iowa-Missouri state line and the confluence with Mississippi River. Methods of collection discussed. Dates of collections, spp. of fishes collected, and number of fishes of each spp. in the collections at each station are indicated.

Sorenson, M.W. (1962) 10-13334 F
Amer.Midl.Nat., 68(2):445-62
Some aspects of water shrew behavior

A 14-month laboratory study of Sorex palustris. Feeding habits with respect to aquatic animals described.

Morawa, F. (1962) 10-13335 F
Bull.franç.Piscic., 35(207):72-81
Comparison de différentes espèces de tilapias (T. mossambica, T. macrochir et T. zilii) provenant d'étangs de réchauffement du sud-ouest de la France
(Comparison of different species of Tilapia (T. mossambica, T. macrochir, and T. zilii) from ponds of water reheating in the south-west of France)

Relation of length and weight and chemical composition of the three spp.

Timmermans, J.A. (1962) 10-13336 F
Bull.franç.Piscic., 35(207):67-71
Influence de la température sur la production piscicole en étang
(Influence of temperature on the pond fish production)

Observations on the effect of temperature on carp culture in Belgium.

Bellet, R. (1962) 10-13337 F
Bull.franç.Piscic., 35(207):45-66
La furonculose de la truite ou "Septicémie hémorragique"
(Furunculosis of trout or "Hemorrhagic septicemia")

Species affected, different forms, diagnosis, prevention, treatment of disease, antibiotics.

Slack, H.D. (1962) 10-13338 F
Malay.agric.J., 43(4):299-306
The maturation of Chinese grass-carp (Ctenopharyngodon idellus C. et V.) in tropical waters

Account of history of growth of two groups of Chinese grass-carp and development of gonads.

Mendoza, G. (1962) 10-13339 F
Biol.Bull., Woods Hole, 123(2):351-65
The reproductive cycles of three viviparous teleosts, Alloophorus robustus, Goodea luitpoldii and Neoophorus diazi

Data on 3 goodeids from Lake Pátzcuaro, Mexico, based largely on a study of the ovaries from material collected in 1957.

Ramalingam, K. (1963) 10-13340 F
Curr.Sci., 32(1):25-6
Marine cercariae and their gastropod hosts from the Pamban mudflat

Qasim, S.Z. & V.S. Bhatt (1964) 10-13341 F
Curr.Sci., 33(1):19-20
Occurrence of growth zones on the opercular bones of the freshwater murrel, Ophicephalus punctatus Bloch

ANON. (1964) 10-13342 F
New Scient., 21(376):291
Adaptations of cave fish

Saadi, A.W. (1965) 10-13343 F
Arch.Hydrobiol., 61(1): 42 p.
Ernährung und Wachstum des Karpfens im
ersten Lebensjahr
(The feeding and growth rate of the carp
in the first year of the life). En

Acholonu, A.D. (1964)C 10-13344 F
Thesis, Colorado State University, 161 p.
Freshwater cercariae of northern Colorado
together with a checklist of the species
described in the United States and their
molluscan hosts

DA 25(6):3752.

Flittner, G.A. (1964)C 10-13345 F
Thesis, University of Michigan, 239 p.
Morphometry and life history of the
emerald shiner, Notropis atherinoides
Rafinesque

Incl. meristic comparisons of 5 stocks in
the Great Lakes region, description of
biology, and fishery and its commercial
value.
DA 25(6):3759.

Maetz, J. et al. (1964) 10-13346 F
Gen.comp.Endocr., 4:508-22
Peptides neurohypophysaires et osmo-
regulation chez Carassius auratus
(Neurohypophysis and osmoregulation in
Carassius auratus). En

Steffens, W. (1962)BC 10-13347 F
Neue Brehm Büch., (203):107 p.
Der Karpfen
(The carp)

Illies, (1964) 10-13348 F
Arch.Hydrobiol., 60(3):384
Der Karpfen
(The carp)

Re 10-13347.

Larsen, L.O. (1965) 10-13349 F
Gen.comp.Endocr., 5:16-30
Effects of hypophysectomy in the cyclostome,
Lampetra fluviatilis(L) Gray

Tody, W.H. (1964)C 10-13350 F
Thesis, Michigan State University, 178 p.
An investigation of the success of rainbow
trout populations in ten lakes relative to
limiting environmental factors

Niazi, A.D. (1963)C 10-13351 F
Thesis, Oklahoma State University, 133 p.
The development of the Weberian system
and early embryology of Pimephales promelas
(Osteichthyes: Cyprinidae)

DA 25(4):2674.

Knapp, L.W. (1964)C 10-13352 F
Thesis, Cornell University, 225 p.
Systematic studies of the rainbow darter,
Etheostoma caeruleum (Storer), and the
subgenus Hadropterus (Pisces, Percidae)

DA 25(3):2112.

Becker, C.D. (1964)C 10-13353 F
Thesis, University of Washington, 215 p.
The parasite-vector-host relationship of
the hemoflagellate, Cryptobia salmositica
Katz, the leech, Piscicola salmositica
Meyer, and certain fresh-water teleosts

DA 25(5):3167.

Zenner, H. (1965) 10-13354 F
Biol.Zbl., 84(2):139-79
Untersuchungen über die morphogenetischen
Wirkungen des Li^+ -Ions in der
Keimesentwicklung der Regenbogenforelle
(Salmo irideus Gib.)
(Investigations on the morphogenetic effects
of the Li^+ -Ions on the embryonic
development of the rainbow-trout (Salmo
irideus Gib.))

Mattheis, T. (1964) 10-13355 F
Z.Fisch., 12(8,9,10):561-80
Ökologie der Bakterien im Darm von Süsswassernutzfischen. 3. Familie Enterobacteriaceae, Gattung *Escherichia*, *Aerobacter*, *Paracolobactrum*, *Proteus*
(The ecology of the bacteria in the digestive trout of the fresh water commercial fishes. 3. Family Enterobacteriaceae, genus *Escherichia*, *Aerobacter*, *Paracolobactrum*, *Proteus*)

CR 10-13395.

Mattheis, T. (1964) 10-13356 F
Z.Fisch., 12(8,9,10):581-600
Ökologie der Bakterien im Darm von Süsswassernutzfischen. 4. Familie Corynebacteriaceae, Gattung *Corynebacterium*, Familie Bacillaceae, Gattung *Bacillus*
(The ecology of the bacteria in the digestive tract of the fresh water commercial fishes. 4. Family Corynebacteriaceae, genus *Corynebacterium*, family Bacillaceae, genus *Bacillus*). En

Co 10-13355.

Jančařík, A. (1964) 10-13357 F
Z.Fisch., 12(8,9,10):601-84
Die Verdauung der Hauptnährstoffe beim Karpfen
(The digestion of the main food components by carps). En

Zarnecki, S. (1964) 10-13358 F
Z.Fisch., 12(8,9,10):685-707
Das Problem der Vorwüchse in den Karpfenteichen
(The problem of the fast-growers in carp ponds). En

Steffens, W. (1964) 10-13359 F
Z.Fisch., 12(8,9,10):725-800
Vergleichende anatomisch-physiologische Untersuchungen an Wild- und Teichkarpfen (*Cyprinus carpio* L.) ein Beitrag zur Beurteilung der Zuchtleistungen beim deutschen Teichkarpfen
(The comparative anatomical-physiological investigations on free-living and pond carps (*Cyprinus carpio* L.); a contribution to the judgment of breeding abilities of the German pond carp). En

Hishida, T.-O. (1965) 10-13360 F
Gen.comp.Endocr., 5:137-44
Accumulation of Estrone-16-C^{14} and diethylstilbestrol-(Monoethyl-1-C^{14}) in larval gonads of the medaka, *Oryzias latipes*, and determination of the minimum dosage of estrogen for sex reversal

La Roche, G., C.L. Johnson & A.N. Woodall (1965) 10-13361 F
Gen.comp.Endocr., 5:145-59
Thyroid function in the rainbow trout (*Salmo gairdneri*, Rich.). 1. Biochemical and histological evidence of radiothyroidectomy

Blüm, V. & K. Fiedler (1965) 10-13362 F
Gen.comp.Endocr., 5:186-96
Hormonal control of reproductive behavior in some cichlid fish

Experiments with the hormone dosage on *Symphysodon aequifasciata axelrodi* (Cichlidae) inducing histotropic and behavioral effects on fish.

Maetz, J., J. Bourguet & B. Lahlouh (1964) 10-13363 F
Gen.comp.Endocr., 4:401-14
Urophyse et osmorégulation chez *Carassius auratus*
(Urophysis and osmoregulation in *Carassius auratus*). En

Discusses physiological significance of the effected osmoregolatory mechanism of the sp. by the injection of urophyseal extracts.

Géry, J. (1963) 10-13364 F
Mitt.hamburg.zool.Mus., 60:265-84
Essai sur les affinités phylogénétiques des Agoniates et l'origine des Characidae, à propos de la description d'une forme nouvelle de l'Amazone péruvienne: *Agoniates ladigesi*
(Essay on the phylogenetic affinities of the Agoniates and the origin of Characidae, in relation to the description of a new form: *Agoniates ladigesi* of the Peruvian Amazon region). En

Fishelson, L. & W. Heinrich 10-13365 F
(1964)
Ann.Mag.nat.Hist.(13), 6(68):507-8
Some observations on the mouthbreeding
Tilapia galilaea L. (Pisces: Cichlidae)

Gee, J.H. & T.G. Northcote 10-13366 F
(1963)
J.Fish.Res.Bd Can., 20(1):105-18
Comparative ecology of two sympatric species
of dace (Rhinichthys) in the Fraser River
system, British Columbia

Age, growth and food habits of leopard dace (Rhinichthys falcatus) in the lower Fraser River are decribed. Although recently emerged leopard dace and longnose dace (Rhinichthys cataractae) occur together in regions of slow or no current along the river margin, older longnose dace soon begin to occupy regions of higher water velocity.
FiB:jgs

Garrod, D.J. (1963)A 10-13367 F
J.Fish.Res.Bd Can., 20(1):195-227
An estimation of the mortality rates in a
population of Tilapia esculenta Graham
(Pisces, Cichlidae) in Lake Victoria,
East Africa

Watson, N.H.F. & G.H. Lawler 10-13368 F
(1963)
J.Fish.Res.Bd Can., 20(1):249-51
Temperature and rate of hatching of
Triaenophorus eggs

Experiments with the eggs of T. crassus and T. nodulosus.

Luk'ianenko, V.I. & Iu.I. 10-13369 F
Sorokin (1965)
Dokl.Akad.Nauk SSSR, 161(5):1246-8
Skorost' postupleniia i raspredeleniia
antigena v tkaniakh ryb (Rutilus rutilus
L.)
(Rate of incorporation of antigene and its
distribution in the fish tissues (Rutilus
rutilus L.))

Etoh, H. (1964) 10-13370 F
Zool.Mag., Tokyo, 74(1):29-30
(Effect of fractionation of irradiated dose
of Co^{60} -rays on the fish, Oryzias
latipes). Ni En

Measurement of mortality under various intensities of irradiation.

Minamori, S. (1964) 10-13371 F
Jap.J.Zool., 14(2):231-46
A comparative study of the activity of
hepatopancreas catalase in the loach
fishes

Measurement of activity of hepatopancreas catalase in 4 kinds of loach to determine whether there is variation among these fishes in respect of the respiratory enzymes.

de la Motte, I. (1964) 10-13372 F
Z.vergl.Physiol., 49(1):58-90
Untersuchungen zur vergleichenden
Physiologie der Lichtempfindlichkeit
geblendeter Fische
(Investigations on the comparative physiology
of light-sensitivity of blinded fishes).
En

The light sensitivity of head, trunk and tail regions of 10 spp. of freshwater fish was investigated. Observations were made on spontaneous as well as conditioned responses to test the reactions of the enucleated fish to light signals. Using various filters during illumination of the head of enucleated minnows the sensitivity to light of various wavelength was recorded.

Nagase, G. (1964) 10-13373 F
Z.vergl.Physiol., 49(3):270-84
Contribution to the physiology of digestion
in Tilapia mossambica Peters: digestive
enzymes and the effects of diets on their
activity. De

After determination of the pH optima of anylase, lipase, pepsin and trypsin in various parts of the intestinal canal of T. mossambica, the effects of special protein-rich, carbohydrate-rich and fat-rich diets on the activity of these enzymes were studied.

Szabo, T. & P.S. Enger (1964) 10-13374 F
Z.vergl.Physiol., 49(3):285-300
Pacemaker activity of the medullary nucleus
controlling electric organs in high-
frequency gymnotid fish. De

Histological and physiological observations on the medullary nucleus of the brain of Eigenmannia virescens were made in order to study the functional characteristics of this nucleus as a pacemaker for electric organ discharges. Recordings of intracellular discharges and electric organ discharges were made on anaesthetised fish.

Yanni, M. (1964) 10-13375 F
Z.vergl.Physiol., 49(2):130-7
The assimilation of fructose and galactose in the different tissues of *Clarias lazera*

The metabolic effects of administration of excess galactose and fructose to *C. lazera* were investigated. After receiving repeated intracoelomic injections of fructose or galactose the fish were sacrificed and glucose, glycogen, lipid and water content determination carried out on various body tissues.

Miller, R.R. (1963)A 10-13376 F
Copeia, (1):1-5
Distribution, variation, and ecology of *Lepidomeda vittata*, a rare cyprinid fish endemic to eastern Arizona

Perlmutter, A. & W. Antopol (1963) 10-13377 F
Copeia, (1):166-8
The effect of neotetrazolium on the newly fertilized eggs of the brook trout, *Salvelinus fontinalis* (Mitchill)

Lindsey, C.C. (1963) 10-13378 F
Copeia, (1):173-4
Status of the whitefish species *Coregonus nelsonii* Bean, and designation of a new type

Verheijen, F.J. (1963) 10-13379 F
Copeia, (1):174-5
Alarm substance in some North American cyprinid fishes

Delco, E.A. Jr. & R.J. Beyers (1963) 10-13380 F
Copeia, (1):176-8
Reduced metabolic rates in males of two cyprinid fishes

Carufel, L.H. & A. Witt Jr. (1963) 10-13381 F
Copeia, (1):178
Range extension of the gizzard shad, *Dorosoma cepedianum*, into North Dakota

McGrew III, W.C. (1963) 10-13382 F
Copeia, (1):178-9
Channel catfish feeding on diamond-backed water snakes

Crossman, E.J. & R.G. Ferguson (1963) 10-13383 F
Copeia, (1):186-7
The first record from Canada of *Minytrema melanops*, the spotted sucker

Cross, F.B. & A.L. Metcalf (1963) 10-13384 F
Copeia, (1):187
Records of three lampreys (*Ichthyomyzon*) from the Missouri River system

Huver, C.W. & S. Steinberg (1963) 10-13385 F
Copeia, (1):187-8
The formation of melanophores in aembryonic eggs of *Fundulus heteroclitus*

Vincent, R.E. (1963) 10-13386 F
Copeia, (1):188-9
The native range of lake trout, *Salvelinus namaycush*, in Montana

Vernick, H. (1963) 10-13387 F
Copeia, (1):189
A second record of the tubenose poacher, *Pallasina barbata aix*, from Oregon

Hisaoka, K.K. (1963) 10-13388 F
Copeia, (1):189-91
A congenital teratoma in the swordtail, *Xiphophorus helleri*

Reisman, H.M. (1963) 10-13389 F
Copeia, (1):191-2
Reproductive behavior of *Apeltes quadracus*, including some comparisons with other gasterosteid fishes

Hubbs, C. (1963) 10-13390 F
Copeia, (1):199-203
An evaluation of the use of rotenone as a means of improving sports fishing in the Concho River, Texas

Greenwood, P.H. (1965) 10-13391 F
Ann.Mag.nat.Hist.(13), 7(78):337-8
The status of Acanthothrissa Gras, 1961
(Pisces, Clupeidae)

Lieder, U. (1965) 10-13392 F
Dtsch.Fisch.-Ztg, 12(1):16-26
Das Eiweiss in der Nahrung der Karpfen
(The protein in the food of carps)

Vladykov, V.D. (1965) 10-13393 F
J.Fish.Res.Bd Can., 22(1):139-58
Lampetra richardsoni, a new nonparasitic species of lamprey (Petromyzonidae) from western North America

Hubbs, C. (1964) 10-13394 F
Ecology, 45(2):376-9
Effects of thermal fluctuations on the relative survival of greenthroat darter young from stenothermal and eurythermal waters

Etheostoma lepidum.

Mattheis, T. (1964) 10-13395 F
Z.Fisch., 12(6/7):507-59
Økologie der Bakterien im Darm von Süsswassernutzfischen. 1. Familie Pseudomonadaceae, Gattung Pseudomonas
(The ecology of bacteria in the digestive tract of the fresh water commercial fishes. 1. Family Pseudomonadaceae, genus Pseudomonas)

Natarajan, A.V. & A.G. Jhingran (1963) 10-13396 F
Proc.nat.Inst.Sci.India (B), 29(3):326-55
On the biology of Catla catla (Ham.) from the River Jamuna

Bacmeister, A. (1963) 10-13397 F
Allg.Fisch.Ztg., 88(7):182-5
Der Waller und sein Fang
(The catfish and its catch)

Wiesner, E.R. (1963) 10-13398 F
Allg.Fisch.Ztg., 88(7):196-9
Leberkrebs bei Forellen
(Liver cancer in trouts)

Keeton, D. (1963)C 10-13399 F
Thesis, Iowa State University of Science and Technology, 219 p.
Growth of fishes in the Des Moines River, Iowa, with particular reference to water levels

DA 24(10):3916.

Hickling, C.F. (1963) 10-13400 F
Sci.Amer., 208(5):143-52
The cultivation of Tilapia

This prolific fish has been introduced into many less developed areas as a cheap source of protein-rich human food. A new method for making it grow larger in ponds may enhance its usefulness.

Riggs, C.D. & G.A. Moore (1963) 10-13401 F
Copeia, (2):451-2
A new record of Moxostoma macrolepidotum pisolabrum, and a range extension for Percina shumardi, in the Red River, Oklahoma and Texas

Poll, M. & H. Matthes (1962) 10-13402 F
Annls Mus.r.Afr.cent.Sci.8vo(Sci.zool.), (111): 1-26
Trois poissons remarquables du lac Tanganika
(Three remarkable fishes from Lake Tanganyika)

Matthes, H. (1962) 10-13403 F
Annls Mus.r.Afr.cent.Sci.8vo(Sci.zool.), (111): 27-88
Poissons nouveaux ou intéressants du lac Tanganika et du Ruanda
(New and interesting fishes from Lake Tanganyika and Ruanda)

Ross, R.D. & J.E. Carico (1963) 10-13404 F
Tech.Bull.Va agric.Exp.Sta., (161):24 p.
Records and distribution problems of fishes of the north, middle and south forks of the Holston River, Virginia

Houser, A. & M.G. Bross (1963) 10-13405 F
Rep.Okla.Fish.Res.Lab., (85):75 p.
Average growth rates and length-weight relationships for fifteen species of fish in Oklahoma waters

Presents growth data for largemouth bass, white crappie, black crappie, bluegill, redear sunfish, longear sunfish, green sunfish, warmouth, orange spotted sunfish, channel catfish, flathead catfish, black bullhead, white bass, river carpsucker, freshwater drum.

Bregnballe, F. (1963) 10-13406 F
Progr.Fish Cult., 25(3):115-20
Trout culture in Denmark

Detailed description of trout farms, culture methods, disease and its control, exports etc.

Sova, C.R. (1963) 10-13407 F
Progr.Fish Cult., 25(3):120
Agri-mycin as a control for fin rot in fishes

Describes its use in treating *Lepomis macrochirus* and *Pimephales promelas*.

Phillips, A.M. Jr. (1963) 10-13408 F
Progr.Fish Cult., 25(3):132-4
Folic acid as an anti-anemia factor for brook trout

Experiment designed to test a deficiency of folic acid as a primary cause of dietary anemia, and to evaluate a vitamin B_{12} deficiency - alone or in combination with a folic acid deficiency - as a factor in trout anemia.

Wolf, K. (1963) 10-13409 F
Progr.Fish Cult., 25(3):135-40
Physiological salines for fresh-water teleosts

Compares various formulae and suggests modifications.

Uzmann, J.R. & J.W. Jesse (1963) 10-13410 F
Progr.Fish Cult., 25(3):141-3
The *Hexamita* (equals *Octomitus*) problem: a preliminary report

Discusses the alleged pathogenicity of this intestinal flagellate and harmfulness of treating it.

Regier, H.A. (1963) 10-13411 F
Progr.Fish Cult., 25(3):144-8
A cost analysis of farm ponds in Tomkins County, New York

Deals with cost of farm-pond construction, maintenance, fish stocking, and management.

Allison, R. & H.D. Kelly (1963) 10-13412 F
Progr.Fish Cult., 25(3):149-50
An epizootic of *Ichthyophthirius multifiliis* in a river fish population

Describes winter and spring kills of several spp. of fish in the Coosa River system of Alabama by this ciliate.

Jeppson, P.W. (1963) 10-13413 F
Progr.Fish Cult., 25(3):154
Control of peamouth and suckers by eradication of spawning populations

Describes control of *Mylocheilus caurinus* and *Catostomus* in Idaho lakes by use of rotenone or trapping adults.

Marlborough, D. (1963) 10-13414 F
Progr.Fish Cult., 25(3):155-8
The unsuitability of monel metal opercular strap tags for tagging carp

Describes ill-effects of tags on *Cyprinus carpio* and *Carassius carassius*.

McCarraher, D.B. (1963) 10-13415 F
Progr.Fish Cult., 25(3):165
Production of northern pike in natural rearing ponds in Nebraska

Summarises production of *Esox lucius* fingerlings, 1955-1962, showing that it is economically feasable to raise them in small drainable ponds.

Dollar, A.M. (1963) 10-13416 F
Progr.Fish Cult., 25(3):167-8
Air transportation of living rainbow trout

Describes method of transporting 10 grm *Salmo gairdnerii* in anesthetised and iced polyethylene bags with oxygen.

Olaniyan, C.I.O. & K.K. Zwilling (1963) 10-13417 F
Bull.Inst.franç.Afr.noire(A), 25(2):513-25
The suitability of *Heterotis niloticus* Ehrenbaum (Osteoglossidae) as a fish for cultivation; with a note on its spawning behaviour

Short account of spawning behaviour, early development and growth under fish pond conditions in Panyam, northern Nigeria. The possibility of developing *Heterotis* as a fish for cultivation is discussed.

Tamura, T. & S. Yamada (1963) 10-13418 F
Fishery Propag.Ser.,Tokyo, (1):32 p.
(Study on the construction works of fish pond from civil engineering viewpoint).
Ni

Kirsipuu, A. (1964) 10-13419 F
Toim.Eesti NSV Tead.Akad.(biol.), (4):278-83
O sezonnykh izmeneniiakh sootnoshenii belkovykh fraktsii syvorotki krovi ryb
(On seasonal changes in blood serum protein fractions of fishes). En Eesti

Abramis brama, *Lucius esox*, *Perca fluviatilis*, *Scardinius erythrophthalmus* and *Lucioperca lucioperca* were investigated.

Driagin, P.A. (1961) 10-13420 F
In 10-11015
Formirovanie rybnykh zapasov v vodokhranilishchakh SSSR
(Formation of fish populations in reservoirs of the USSR)

Tiurin, P.V. (1961) 10-13421 F
In 10-11015
Vliianie urovennogo rezhima v vodokhranilishchakh na formirovanie rybnykh zapasov
(Influence of reservoir level on the formation of fish populations)

Tiurin, P.V. (1961) 10-13422 F
In 10-11015
Rybokhoziaistvennaia klassifikatsiia vodokhranilishch i metodika opredeleniia ikh ryboproduktivnosti
(Classification of reservoir fisheries and methods of determining their productivity)

Bauer, O.N. (1961) 10-13423 F
In 10-11015
Formirovanie parazitofauny i zabolevaniia ryb v vodokhranilishchakh
(Formation of parasite fauna and fish diseases in reservoirs)

Smirnov, N.N. (1961) 10-13424 F
Nauka i Zhizn', 3:61-2
Okun' orientiruetsia po solntsu
(Solar orientation of the perch)

U.S.S.R. Akademiia Nauk. Otdelenie biologicheskikh Nauk (1961)C 10-13425 F
Moscow, 263 p.
Rukovodstvo po izucheniiu pitaniia ryb v estestvennykh usloviakh
(Guide to the study of fish feeding under natural conditions)

Poglazov, B.F. (1961) 10-13426 F
Tsitologiia, 3:204-6
Deistvie ATF i vosstanovitelei na akhromatinovyi apparat iaits v'iuna (opyty *in vivo*)
(Action of ATP and of reducing agents on the achromatic apparatus of loach eggs: *in vivo* experiments)

Diuzhikov, A.T. (1961) 10-13427 F
Ryb.Khoz., 4:16-8
Effektivnost' razmnozheniia osetrovykh ryb na Volge, vyshe Stalingradskoi GES v 1958-60 gg
(Effectiveness of sturgeon breeding in the Volga above the Stalingrad hydroelectric station in 1958-60)

Konstantinova, N.A. (1961) 10-13428 F
Zool.Zh., 40:873-81
Ob ekologii i otnositel'noi chislennosti sazana Nizhnei Volgi v 1957-9 gg
(On the ecology and relative populations of the Lower Volga common carp in 1957-9).
En

Troitskii, S.K. (1961) 10-13429 F
Zool.Zh., 40:620
Kavkazskii rechnoi bychok v basseine Dona
(The Caucasian river goby in the Don basin).
En

Domanevskii, L. (1961) 10-13430 F
Rybovod.i Rybolov., 3:23
Izbiratel'naia sposobnost' v pitanii shchuki
(The selective capacity in pike feeding)

Akopian, M. (1961) 10-13431 F
Rybovod.i Rybolov., 3:20-1
Vyrashchivanie foreli v Chernorechenskom khoziaistve
(Trout rearing at the Chernorechenskoe fish farm)

Biziaev, I. (1961) 10-13432 F
Rybovod.i Rybolov., 2:25-6
Stogovyi sposob razvedeniia zhivogo korma
(The stack method of cultivating live feed)

Vavilkin, A. (1961) 10-13433 F
Rybovod.i Rybolov., 3:13-4
Vyrashchivanie segoletkov karpa
(Rearing first-year carp)

Baburina, E.A. (1961) 10-13434 F
In Raboty po ekologicheskoi morfologii i fiziologii ryb (Papers on the ecological morphology and physiology of fishes)
Trudy Inst.Morf.Zhivot., 33:219 p.
Razvitie glaz i ikh funktsii u zarodyshei i lichinok sudaka
(Development of the eyes and their functions in pike-perch embryos and larvae)

Baburina, E.A. (1961) 10-13435 F
In Raboty po ekologicheskoi morfologii i fiziologii ryb (Papers on the ecological morphology and physiology of fishes)
Trudy Inst.Morf.Zhivot., 33:219 p.
Razvitie glaz i ikh funktsii u litofil'nykh karpovykh ryb
(Development of the eyes and their functions in lithophilous members of the Cyprinidae family)

Terao, T. & S. Kurahashi (1964) 10-13436 F
Sci.Rep.Hokkaido Fish Hatch., (19):89-93
(Studies on the fish-cultured food 14. On the effect of the incorporation of the vitamin E complex in the diet with the chum salmon fry). Ni En

Co 9-04536.

Ito, K. (1964) 10-13437 F
Sci.Rep.Hokkaido Fish Hatch., (19):17-26
(Ecological studies of the long finned smelt, Sprinchus lanceolatus (Hikita). 3. Observations on the natural spawning).
Ni

Hikita, T. & H. Shibata (1964) 10-13438 F
Sci.Rep.Hokkaido Fish Hatch., (19):27-33
(Fishes of Lake Saroma, Hokkaido). Ni
En

Systematic list of 49 spp.

Terao, T. (1964) 10-13439 F
Sci.Rep.Hokkaido Fish Hatch., (19):35-42
(Narcotization of salmonid fish fry with tricaine methasulfonate (M.S.222)). Ni

Terao, T. et al.(1964) 10-13440 F
Sci.Rep.Hokkaido Fish Hatch., (19):43-63
(Studies on the interspecific salmonid hybrids between chum salmon Oncorhynchus keta (Walbaum) and kokanee salmon O. nerka var. adonis (Jordan et McGregor). 2. Transplantations of salmonid hybrids to Lake Shikotsu and Lake Okotampe (1)).
Ni En

Observations on body growth and some external and internal characteristics of salmonid hybrids which had been released into Lake Shikotsu and Lake Okotampe in order to make a study of their ecology.
Co 10-12990.

Egorov, A.G. & M. Zhamsaran (1961) 10-13441 F
Nauch.Dokl.vyssh.Shk.(biol.), 2:42-3
Karlikovyi altaiskii osman Oreoleuciscus potanini (Kessler) iz ozera Ubsa-Nor
(The dwarf Altai Diptychus Oreoleuciscus potanini (Kessler) from lake Ubsa-Nor)

Syrovatskii, I.Ia. (1961) 10-13442 F
Nauch.Dokl.vyssh.Shk.(biol.), 2:48-50
Ob evritopnosti tarani
(Eurytopic character of the roach)

Fedorov, A.V. (1961) 10-13443 F
Nauch.Dokl.vyssh.Shk.(biol.), 2:44-7
Izmeneniia ikhtiofauny verkhnego techeniia Dona pod vliianiem gidrostroitel'stva
(Modification of the Upper Don fish fauna due to hydroengineering operations)

Turchinovich, V.T. (1961)C 10-13444 F
In 10-11070
Osnovy vodokhoziaistvennogo balansa
(The principles of an aquicultural balance)

Altunin, S.T. (1961)C 10-13445 F
In 10-11070
Nekortorye voprosy proektirovaniia i ekspluatatsii vodokhranilishch na rekakh Srednei Azii
(Some aspects of the design and exploitation of reservoirs on Central Asian rivers)

Watling, H. & H.H. Hillemann 10-13446 F
(1964)
J.Fish.Res.Bd Can., 21(2):373-96
The development of the olfactory apparatus of the grayling (Thymallus arcticus)

Herbert, D.W.M. & D.S. Shurben 10-13447 F
(1964)
Wat.Waste Treatm.J., Sept./Oct.:2 p.
The toxicity of fluride to rainbow trout

Laboratory experiments on yearling Salmo gairdnerii.
Issued also as: Wat.Pollut.Res.Lab.Pap., (459).

Tennant, D.L. & G. Billy (1963) 10-13448 F
Progr.Fish Cult., 25(2):68-70
Artificial hybridization of the muskellunge and grass pickerel in Ohio

Successful crossing of male muskellunge (Esox masquinongy) with female grass pickerel (Esox americanus vermiculatus) and rearing to 11.5 inches, 5.5 ounce fish in six months.

Lambou, V.W. (1963)A 10-13449 F
Progr.Fish Cult., 25(2):79-87
Application of distribution pattern of fishes in Lake Bistineau to design of sampling programs

Warren, J.W. (1963) 10-13450 F
Progr.Fish Cult., 25(2):88-92
Toxicity tests of erythromycin thiocyanate in rainbow trout

Describes tests run to obtain additional information on toxicity of erythromycin thiocyanate, used to treat kidney disease, to rainbow trout (Salmo gairdneri) under controlled laboratory conditions.

Collins, J.L. & A.H. Hulsey 10-13451 F
(1963)A
Progr.Fish Cult., 25(2):105-6
Hauling mortality of threadfin shad reduced with M.S.222 and salt

Hoffman, G.L. (1963) 10-13452 F
Progr.Fish Cult., 25(2):112
Parasites and diseases of fish

Lists, in book review, the N. American spp. and diseases identical to those in USSR.
Re 62-02660.

Smith, P.W. (1963) 10-13453 F
Copeia, (2):251-9
A study of seasonal distribution of fishes in the Kaskaskia River ditch, a highly modified stream in eastern Illinois

Seasonal changes in total population, and species composition.

Hewitt, R.E. et al. (1963) 10-13454 F
Copeia, (2):296-303
Electrophoretic analysis of muscle proteins in several groups of poeciliid fishes especially the genus Mollienesia

The water-soluble fraction from whole muscle protein in 20 spp. of poeciliid fishes representing eight genera and four tribes of the Poeciliidae has been studied by paper electrophoresis. Special attention was paid to the genus Mollienesia, particularly to the morphologically polytypic species M. sphenops.

Savage, T. (1963) 10-13455 F
Copeia, (2):317-25
Reproductive behaviour of the mottled sculpin, Cottus bairdi Girard

Reports the results of a laboratory study of the reproductive behaviour of the mottled sculpin, C. bairdi, found in the streams of the Frederick, Maryland, area. The courtship and spawning behaviour of fish kept in the laboratory was studied with primary emphasis on the behaviour of the males.

Schultz, R.J. (1963) 10-13456 F
Copeia, (2):325-30
Stubby, a heriditary vertebral deformity in the viviparous fish Poeciliopsis

Stubby, a recessive mutant discovered in laboratory stocks of P. prolifica, is characterized by regions of vertebral fusions. This shortening of the vertebral column has changed the relative position of various parts of the skeleton. Because of the influence of one part on another during morphogenesis, there has been an increase in the internal skeletal supports to the gonopodium. Males, although fertile, are usually unable to copulate.
HR:hr

Rivas, L.R. (1963) 10-13457 F
Copeia, (2):331-47
Subgenera and species groups in the poeciliid fish genus Gambusia Poey

The status of the current subdivisions in the genus Gambusia is discussed and a reinterpretation of subgenera and species groups is proposed on the basis of new material. The various nominal spp. of Gambusia are discussed chronologically since the last revision and a list of the species provisionally accepted is given. Keys to the subgenera and species groups are given and gonopodia representative of the various subdivisions are illustrated. the geographical ranges of the subgenera and species groups are also figured.

Moore, G.A. & M.E. Sisk (1963) 10-13458 F
Copeia, (2):347-50
The spectacle of Elassoma zonatum Jordan

The head skin passes as the conjunctiva, without folding, across the eyeball. There is a spectacular space between the conjunctiva and the substantia propria, with only fine fibers connecting the two layers. Depending on criteria used, the spectacle may be classified as primary or secondary. The extrinsic muscles appear to insert on the cornea rather than the sclera. The eyeball moves freely beneath the immovable conjunctiva.

Kosswig, C. (1963) A 10-13459 F
Copeia, (2):238-44
Ways of speciation in fishes

John, K.R. (1963)A 10-13460 F
Copeia, (2):286-91
The effect of torrential rains on the reproductive cycle of Rhinichthys osculus in the Chiricahua mountains, Arizona

Wagner, C.C. & E.L. Cooper 10-13461 F
(1963)A
Copeia, (2):350-7
Population density, growth, and fecundity of the creek chubsucker, Erimyzon oblongus

Packer, W.C. (1963)A 10-13462 F
Copeia, (6):378-82
Observations on the breeding migration of Taricha rivularis

Metter, D.E. (1963) 10-13463 F
Copeia, (2):435-6
Stomach contents of Idaho larval Dicamptodon

Martof, B.S. (1963) 10-13464 F
Copeia, (2):439-40
An effective technique for capturing stream-dwelling organisms

Ferguson, D.E. (1963) 10-13465 F
Copeia, (2):441-3
Notes concerning the effects of heptachlor on certain poikilotherms

Lewin, V. (1963) 10-13466 F
Copeia, (2):446-7
First record of the western painted turtle in Alberta

Chrysemis picta belli Gray.

Stenger, A.H. (1963) 10-13467 F
Copeia, (2):454-5
An apparent error in a report of structural hermaphroditism in an Alaskan three-spine stickleback

Re 60-2191.

Knapp, L.W. et al. (1963) 10-13468 F
Copeia, (2):455
Rediscovery of the percid fish Etheostoma sellare (Radcliffe and Welch)

Nose, T. (1963) 10-13469 F
Bull.Freshw.Fish.Res.Lab.,Tokyo, 13(1):41-50
(Determination of nutritive value of food protein on fish. 2. Effect of amino acid composition of high protein diets on growth and protein utilization of the rainbow trout). Ni En

Nutritional efficiency of high protein diets from the viewpoint of amino acid balance.
Co 8-08527.

Tokioka, T. (1965) 10-13470 M
Publ.Seto Mar.biol.Lab., 12(5):335-57
The taxonomical outline of Chaetognatha

Taxonomical outline and presentation of a proposal for a new classification of Chaetognatha. An index of scientific names is given.
Issued also as: Contr.Seto Mar.biol.Lab., (430).

Lal, B. (1964) 10-13471 F
Proc.Indian Acad.Sci(B), 60(6):297-317
Morphological, histological and histochemical studies of the pituitary gland of Cirrhina mrigala (Hamilton)

Kamal Pasha, S.M. (1964) 10-13472 F
Proc.Indian Acad.Sci(B), 60(6):340-9
The anatomy and histology of the alimentary canal of a herbivorous fish Tilapia mossambica (Peters)

Brown, M.E. (1963) 10-13473 F
Salm.Trout Mag., (168):139-44
Biological notes

Discusses back-calculating lengths of trout from scales.

Kennedy, W.A. (1963) 10-13474 F
J.Fish.Res.Bd Can., 20(2):265-72
Growth and mortality of whitefish in three unexploited lakes in northern Canada

A study of scale samples of Coregonus clupeaformis of known weight, with mortality rates derived from age frequency distribution curves.

Watson, N.H.F. (1963) 10-13475 F
J.Fish.Res.Bd Can., 20(2):279-86
Summer food of lake whitefish, Coregonus clupeaformis Mitchill, from Heming Lake, Manitoba

Analyses of the stomach contents of 2963 fish made in the summers of 1956 to 1959.

Keleher, J.J. (1963) 10-13476 F
J.Fish.Res.Bd Can., 20(2):319-26
The movement of tagged Great Slave Lake fish

Records based on 505 recoveries from among 3629 fish (mostly Coregonus and Cristivomer) marked with Petersen tags and released between 1946 & 1955, indicated limited movements within the lake.

Day, L.R. (1963) 10-13477 F
J.Fish.Res.Bd Can., 20(2):347-72
Organogenesis of the opercular apparatus in Salvelinus fontinalis (Mitchill)

A morphological study carried out on material obtained from hatcheries of the Canadian Fisheries Research Board between 1934 & 1940. Figures of the developmental stages are given.

Lawler, G.H. (1963) 10-13478 F
J.Fish.Res.Bd Can., 20(2):417-33
The biology and taxonomy of the burbot, Lota lota, in Heming Lake, Manitoba

Presents age, weight and length data, suggesting slower growth than in lakes Erie and Simcoe. Morphometry was described from a sample of over 100 fish, and variability suggested that larger samples from other localities are needed before creating a new taxa. Food types were analysed from 1.441 stomachs and information on spawning and fecundity given.

McCauley, R.W. (1963) 10-13479 F
J.Fish.Res.Bd Can., 20(2):483-90
Lethal temperatures of the developmental stages of the sea lamprey, Petromyzon marinus L

The eggs require a narrow range of constant temperatures (between 15 - 25 degrees C) for successful hatching. The characteristic ability of the spp. to withstand high temperatures appears shortly after hatching. The role of temperature in natural conditions is discussed.

Lawrie, A.H. (1963) 10-13480 F
J.Fish.Res.Bd Can., 20(2):491-6
Intraseasonal growth in Lake Superior lake trout

Growth curves for Cristivomer namaycush in 1961 are calculated from counts of scale circuli. The relation between scale and fish growth was not established. Data presented do not include information on fish released from hatcheries.

Lamsa, A. (1963) 10-13481 F
J.Fish.Res.Bd Can., 20(2):587-9
Downstream movements of brook sticklebacks, Eucalia inconstans (Kirtland), in a small southern Ontario stream

Describes rather spectacular downstream (postspawning) migrations in 1958 & 1959.

Horton, H.F. (1963)C 10-13482 F
Thesis, Oregon State University,
The factors leading to post-liberation mortalities of trout transported in tank trucks

DA 24(8)3042.

Oglesby, R.T. (1963)C 10-13483 F
Thesis, The University of North Carolina at Chapel Hill, 126 p.
Examination of certain biochemical responses of fish to in vivo chlorinated hydrocarbon insecticide exposure in water

DA 24(8)3299.

Linn, D-V.W. (1963)C 10-13484 F
Thesis, Utah State University, 116 p.
The effects of radium on certain goldfish blood constituents and organs

DA 24(8)3397.

Evans, W.S. (1963) 10-13485 F
Canad.J.Zool., 41(4):649-51
Amphimerus pseudofelineus (Ward, 1901) (Digenea: Opisthorchidae) and its second intermediate host in Manitoba

A cat, previously found to be free of trematodes, was infected with Amphimerus pseudofelineus in feeding flesh of Catostomus commersonii from Lake Manitoba. This finding extends the known range of distribution of this trematode into Canada. It is also the first record of the second intermediate host of this opisthorchid.

Hoar, W.S. & J.G. Eales (1963) 10-13486 F
Canad.J.Zool., 41(4):653-69
The thyroid gland and low-temperature resistance of goldfish

Results of an attempt to evaluate the role of the thyroid in the chill resistance of goldfish.

Mozgovoi, A.A., T.I. Popova & M.K. Semenova (1965) 10-13487 F
Dokl.Akad.Nauk SSSR, 162(3):719-20
K rasshifroke tsikla razvitiia nematody Synhimantus brevicaudatus (Dujardin, 1845) - parazita golenastykh ptits i presnovodnykh ryb
(Deciphering the development cycle of the nematode Synhimantus brevicaudatus (Dujardin, 1845) - parasitic of Grollatores birds and freshwater fish)

Bardack, D. (1963)C 10-13488 F
Thesis, University of Kansas, 425 p.
A revision of fossil and living chirocentrid fishes

DA 24(12)5618.

Bond, C.E. (1963)C 10-13489 F
Thesis, The University of Michigan, 198 p.
Distribution and ecology of freshwater sculpins, genus Cottus, in Oregon

DA 24(12)5619.

Nelson, K.B. (1963)C 10-13490 F
Thesis, University of California, 309 p.
Behavior and morphology in the glandulocaudine fishes (Ostariophysi, Characidae)

DA 24(12)5627.

Normandeau, D.A. (1963)C 10-13491 F
Thesis, University of New Hampshire,
The life history of the round whitefish, Prosopium cylindraceum (Pallas) of Newfound Lake, N.H.

DA 24(12)5627.

Stout, J.F. (1963)C 10-13492 F
Thesis, University of Maryland, 99 p.
Sound communication during the reproductive behavior of Notropis analostanus (Pisces: Cyprinidae)

DA 24(12)5633.

Thys van den Audenaerde, D.F.E. (1963) 10-13493 F
Bull.Séanc.Acad.r.Sci.colon., 3:570-605
La distribution géographique des Tilapia au Congo
(The geographic distribution of Tilapia spp. in Congo)

Distribution, in Congo (Léopoldville) of the 58 fish spp., pertaining to the genus Tilapia known from the region.

Kennerly, A.B. (1963) 10-13494 F
Rice J., 66(13):3-6
How catfish production may fit into the rice rotation

Experienced problems of catfish production are presented. After fish culture, soil tests show a higher P content and a slightly higher N content.

Oliveira e Silva, S.L. (1963) 10-13495 F
Revta Soc.rur.bras., 43(511):55 p.
Alimentação de tilápia em águas represadas
(Feeding of Tilapia in ponds)

Observations made with Tilapia melanopleura.

Bard, J. (1963) 10-13496 F
Bois Forêts Trop., 90:50-3
Pisciculture et bilharzioses
(Fishery and bilharzia)

An account of bilharzia infection in fish ponds and irrigated areas of Africa, and the control of the snails by mechanical, chemical and biological means.

Gopalakrishnan, V. & E.G. Srinath (1963) 10-13497 F
Proc.Indian Acad.Sci.(B), 57(6):379-88
Some experimental observations on the use of activated sludge as fertilizer for fish culture

Presents results of preliminary laboratory experiments to investigate the growth of fingerlings Cyprinus carpio, Cirrhina mrigala, and Catla catla, in cement cisterns after the addition of different amounts of sludge. Over an intermediate range more sludge improved growth but excess resulted in fish mortality.
FAO:cmhh

Ball, J.N. & D.M. Ensor (1965) 10-13498 F
J.Endocrin., 32(2):269-70
Effect of prolactin on plasma sodium in the teleost, Poecilia latipinna

Kroegeler, H. (1963) 10-13499 F
Allg.Fisch.Ztg., 88(11):307-8
Fischereischädlinge, Fischotter
(Fishery-pesticides, otter)

Shalumovich, V.N. (1964) 10-13500 F
Dokl.Akad.Nauk SSSR, 158(2):492-5
Nekotorye gistokhimicheskie osobennosti oogeneza u cherepakhi
(Certain histochemical peculiarities of oogenesis in the turtle)

Seidlitz, H.J. (1963) 10-13501 F
Fischwirt, 13(6):172-80
Hechterträge in Talsperren
(Pike catch yields in valleys with dams)

Reshetnikov, Yu.S. (1964) 10-13502 F
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 152(1-6):1227-8
Variability and multiplicity of forms among whitefish in relation to their feeding characteristics in northern waters

The variability and plasticity of Coregonus lavaretus distributed in lakes and rivers of northern parts of USSR is discussed. En 9-11427.

Mathisen, O.A., R.L. Burgner & T.S.Y. Koo (1963) 10-13503 F
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (468):32 p.
Statistical records and computations on red salmon (Oncorhynchus nerka) runs in the Nushagak District, Bristol Bay, Alaska, 1946-59

Tables of preliminary computations showing relationships between the adult escapement and the returning run and between the seaward migration of juveniles and the returning run are given.
Issued also as: Contr.Univ.Wash.College Fish., (156).

Clark, N.B. (1965) 10-13504 F
Gen.comp.Endocr., 5:297-312
Experimental and histological studies of the parathyroid glands of fresh-water turtles

The turtles belonging to the genera Chrysemys, Pseudemys and Graptemys were obtained from south-eastern states of U.S.A.

Hara, J.T., K. Ueda & A. Gorbman (1965) 10-13505
Gen.comp.Endocr., 5:313-9
Influences of thyroxine and sex hormones upon optically evoked potentials in the optic tectum of goldfish

Aquarial investigations on Carassius auratus.

Swift, D.R. & G.E. Pickford (1965) 10-13506
Gen.comp.Endocr., 5:354-65
Seasonal variations in the hormone content of the pituitary gland of the perch, Perca fluviatilis L

Tuma, D.J. (1962) 10-13507 F
In 10-10221:53-7
The Sheba dams

Evidence on the rainbow and brown trout populations in these dams.

Lake, J.S. (1962) 10-13508 F
In 10-10221:138-40
An aspect of the management of the inland fisheries of New South Wales

Discussion chiefly of the spawning behaviour of golden perch (Plectroplites ambiguus) and of the usefulness of a closed season as a means of regulating the fishery exploiting this sp.

Zehnder, A. (1963) 10-13509 F
Schweiz.Z.Hydrol., 25(1):65-83
Kulturversuche mit Gloeotrichia echinulata (J.E. Smith) P. Richter
(The cultivation attempts with Gloeotrichia echinulata (J.E. Smith) P. Richter)

von Kraft, A., W. Nümann & H.M. Peters (1963) 10-13510 F
Schweiz.Z.Hydrol., 25(1):84-118
Untersuchungen über die Fruchtbarkeit des Blaufelchens (Coregonus wartmanni Bloch) im Bodensee
(Investigations on the fecundity of the whitefish Coregonus wartmanni Bloch in the Bodensee Lake)

Woynárovich, E. (1963) 10-13511 F
Allg.Fisch.Ztg., 88(22):646-9
Zur Frage der Vermehrung des Zanderbestandes im Balaton
(Problems of the multiplication of the pike-perch stock state in Balaton Lake)

Unterüberbacher, H. (1963) 10-13512 F
Z.Fisch., 11(7/8):481-530
Über Wachstum und Lebensweise des Karpfens im Neusiedlersee
(The growth and mode of life (ethology, biology) of the carp in Neusiedler Lake (Austria))

Nehring, D. (1963) 10-13513 F
Z.Fisch., 11(7/8):539-48
Die Giftwirkung ureasehaltiger Harnstofflösungen auf verschiedene Fischarten
(The toxicity of the urease-containing urea solutions upon different fish species)

Salmo gairdneri, Perca fluviatilis, Rutilus rutilus and Cyprinus carpio.

Barthelmes, D. (1963) 10-13514 F
Z.Fisch., 11(7/8):575-88
"Weitere Untersuchungen zur Frage der Probefänge in Karpfenteichen
(Further investigations on the problem of sample-catches in carp ponds)

Schäperclaus, W. (1963) 10-13515 F
Fischwirt, 13(8):234-9
Regelung des Fischbestandes in Seen durch Polychlorpinen-Vergiftung
(Regulation of the fish stock state in the lakes due to polychlorpine poisoning)

Morawa, F. (1963) 10-13516 F
Fischwirt, 13(8):241-4
Die Fettspeicherung bei unseren Barsch-Arten
(The storage of the fat in our perch species)

Fu-Jen, C. (1963) 10-13517 F
Dtsch.Fisch.-Ztg., 10(6):153-5
Die Odyssee eines afrikanischen Fisches
(The odyssey of an African fish)

Tilapia mossambica in China.

Lieder, U. & K. Anwand (1963) 10-13518 F
Dtsch.Fisch.-Ztg., 10(6):158-65
Ergebnisse und Perspektiven der Fischortung in der Binnenfischerei. 5. Über die Möglichkeit der Beurteilung von Fischbeständen in Seen auf Grund einmaliger Echographen-Untersuchungen
(Results and prospects of fish location in inland fisheries. 5. On the practicability of estimating fish stocks in lakes on the basis of single echograph investigations)

Dersinske, E. (1963) 10-13519 F
Dtsch.Fisch.-Ztg., 10(6):165-7
Das Ergebnis einer intensiven Karpfenteichwirtschaft
(The result of an intensive carp-pond husbandry)

Figures for a Prenzlau lake between 1962 and 1963.

Żarnecki, S. & Z. Rychlicki 10-13520 F
(1963)
Dtsch.Fisch.-Ztg., 10(6):167-72
Beobachtungen des Laichaktes der Karpfen
(Observations on the spawning of carp)

Menzel, H.U. (1963) 10-13521 F
Dtsch.Fisch.-Ztg., 10(6):172-81
Ein Beitrag zur Bewirtschaftung von Karpfenteichen im ersten Zuchtjahr
(A contribution on the management of carp ponds in the first year of culture)

Bailösoff, D. (1963) 10-13522 F
Dtsch.Fisch.-Ztg., 10(6):181-3
Neguvon - ein wirksames Mittel zur Bekämpfung der Karpfenlaus und sonstiger parasitärer Fischkrankheiten
(Neguvon - a product efficacious in combatting carp louse and other parasitic fish diseases)

Presents results of trials against Argulus, Dactylogyrus, Gyrodactylus, Chilodonella, and Trichodina.

Schäperclaus, W. (1963) 10-13523 F
Dtsch.Fisch.-Ztg., 10(6):183-4
Einige Ergänzungen zu dem Aufsatz von Bailösoff über die Bekämpfung von Karpfenläusen und anderen Hautparasiten mit Hilfe von Neguvon (Trichlorphon)
(Some additions to the article by Bailösoff on combatting carp lice and other skin parasites using Neguvon (Trichlorphon))

Co 10-13522.

Weatherley, A.H. (1963) 10-13524 F
Proc.zool.Soc.Lond., 141(3):527-76
Thermal stress and interrenal tissue in the perch Perca fluviatilis (Linnaeus)

Experiments indicate 30-31 degrees C as the upper thermal limit for perch since, irrespective of the level of their temperature acclimatization, they cannot survive hotter conditions for more than a few hours.

Weatherley, A.H. (1963) 10-13525 F
Proc.zool.Soc.Lond., 141(3):557-76
Zoogeography of Perca fluviatilis (Linnaeus) and Perca flavescens (Mitchill) with special reference to the effects of high temperature

Are limited in their distribution by hills and mountains, being unable to persist in streams in which the rate of water flow is rapid. This fact largely determines the pattern of their world distribution. However, evidence is adduced to show that in North America and Australia high temperatures may be acting in determining the proximity of their approach to the equator.
FAO:igs

Gunning, G.E. & C.R. Shoop (1963) 10-13526 F
Anim.Behav., 11(2/3):325-30
Occupancy of home range by longear sunfish, Lepomis m. megalotis (Rafinesque), and bluegill, Lepomis m. macrochirus Rafinesque

Gives estimates of the home ranges based on fish with clipped fins recaptured during 1960 on two streatches of a Louisiana stream using an electrical fish catcher.

Segaar, J. & R. Nieuwenhuys (1963) 10-13527 F
Anim.Behav., 11(2/3):331-43
New etho-physiological experiments with male Gasterosteus aculeatus, with anatomical comment

Briefly reviews previous work, gives an anatomical account and the results of experiments on the effects of damage or removal of parts of the telencephalon on the behaviour of breeding males. The fore-brain is shown to be concerned with various behaviour patterns in addition to olfaction.
SJH:cmhh

Herbert, D.W. (1963) 10-13528 F
Anim.Behav., 11(2/3):347-50
Reversal of direction of swimming by rainbow trout (Salmo gairdnerii Richardson) on stopping a current of water

One year old fish kept swimming against a rotating current in a small aquarium; reversed their swimming direction when the current stopped. The change did not occur in total darkness and the relative maturity of the fish was important. The phenomenon was not observed in brown trout parr.

Adler, N. & J.A. Hogan (1963) 10-13529 F
Anim.Behav., 11(2/3):351-4
Classical conditioning and punishment of an instinctive response in Betta splendens

Batches of Japanese fighting fish could be conditioned to display aggressive behaviour in response to a weak stock. The response to a normal stimulus could be abolished by shock punishment. Spontaneous recovery data are presented.

Peters, N. Jr. (1963) 10-13530 F
Int.Rev.Hydrobiol., 48(2):257-313
Embryonale Anpassungen oviparer Zahnkarpfen aus periodisch austrocknenden Gewässern
(Embryonic adaptation of oviparous toothcarps waters from subject to periodic dessication). En

The investigations include the following bottom-spawning species: Cynolebias nigripinnis, Pterolebias longipinnis, Nothobranchius guentheri, N. rachowi, and Aphyosemion arnoldi; and the following plant-spawning species: Rivulus cylindraceus, A. australe, and Epiplatys chaperi.

Géry, J. & J. Delage (1963) 10-13531 F
Vie et Milieu, 14(1):164-82
Origine pathologique du stratum argenteum chez certaines variétés phénotypiques de Characidae, les " brass-tetras"
(Pathological origin of stratum argenteum in certain phenotipical varieties of Characidae, the "brass-tetras"). En

The peculiar coloration of the so-called "brass-tetras", which were considered by some as "individual spots", by others as depending on the nutrition or on the composition of the waters, in which the a parasite, which in the case studied is Hemigrammus armstrongi.

Alverson, D.L. & M.E. Stansby (1963) 10-13532 F
Spec.sci.Rep.U.S.Fish Wildl.Serv.,Fish., (447):25 p.
The spiny dogfish (*Squalus acanthias*) in northeastern Pacific

Three possible ways of controlling the dogfish, all of them dependent upon a knowledge of dogfish biology, are discussed. Of these, development of a commercial dogfish fishery appears to be the most practical.

Su-Hwai, C. *et al.* (1964) 10-13533 F
Acta Biol.exp.sin., 9(2):143-51
The re-fertilization of the eggs of goldfish (*Carassius auratus*) and its time limit

Experiments demonstrated that the fertilized naked egg can be re-fertilized at any time within 10-60 minutes; after the removal of the chorion, the egg can be re-fertilized within 10-70 minutes, but in most cases only few eggs developed normally.

Lindsey, C.C. & M.Y. Ali (1965) 10-13534 F
Canad.J.Zool., 43(1):99-104
The effect of alternating temperature on vertebral count in the medaka (*Oryzias latipes*)

A small Japanese cyprinodont was examined.

Pfeiffer, W. (1965) 10-13535 F
Canad.J.Zool., 43(1):223-4
The size of the olfactory organ in the burbot, *Lota lota* (L.)

Anwand, K. (1965) 10-13536 F
Dtsch.Fisch.-Ztg., 12(2):33-9
Hinweise zur erfolgreicheren Hechterbrütung
(Indications for more successful pike breeding)

Sneed, K.E. & H.P. Clemens (1963) 10-13537 F
Copeia, (4):606-11
The morphology of the testes and accessory reproductive glands of the catfishes (Ictaluridae)

Morphological and microscopical description.

Collette, B.B. (1963) 10-13538 F
Copeia, (4):615-22
The subfamilies, tribes, and genera of the Percidae (Teleostei)

Two phyletic lines are recognized within the Percidae: the Percinae, in which the anteriormost interhaemal bone is much larger than the posterior ones and the anal spines usually are well developed, and the Luciopercinae in which the interhaemal are of uniform size and the anal spines are poorly developed. A table of vertebral numbers is given.

Tilak, R. (1963) 10-13539 F
Copeia, (4):623-9
Relationships between the osteocranium and Weberian apparatus in two Indian catfishes of the genus *Clarias* (Siluridae)

A study of the relationships between *Clarias batrachus* and *C. dussumieri*.

Akers, T.K. & M.G. Damm (1963) 10-13540 F
Copeia, (4):629-34
The effect of temperature on the electrocardiograms of two species of turtles

Results of a detailed comparative study of the cardiovascular system in various species.

Yapchiongco, J.V. (1963) 10-13541 F
Copeia, (4):700-2
Spawning habits of the murrell or snakehead fish, *Ophicephalus striatus* Bloch

Bailey, R.M. & W.J. Richards (1963) 10-13542 F
Copeia, (4):702-3
Identification of the "etheostomid" fish *Alvarius lateralis* Girard as an eleotrid, *Gobiomorus dormitor*

Gibbs, R.H. Jr. (1963) 10-13543 F
Copeia, (3):511-28
Cyprinid fishes of the subgenus *Cyprinella* of *Notropis*. The *Notropis whipplei-analostanus-chloristius* complex

Concerned with the affinities of the three forms. Synonymy and distribution are given for each form, and an explanation of present distribution is attempted.

Mansueti, A.J. (1963) 10-13544 F
Copeia, (3):546-57
Some changes in morphology during ontogeny in the pirateperch, Aphredoderus s. sayanus

Describes the number and development of anal spines and the allometric aspects of the vent. Specimens taken in Maryland and Virginia compared with specimens taken over the range of the species from Texas to New York.

Miller, R.R. & W.L. Minckley (1963) 10-13545 F
Copeia, (3):538-46
Xiphophorus gordoni, a new species of platyfish from Coahuila, México

Xiphophorus gordoni, the third new species of this genus to be made known since 1959, is described and figured from arid, semi-isolated Cuatro Ciénegas basin of central Coahuila, México. The new species is related to X. couchianus, from the vicinity of Monterrey, and to X. variatus xiphidium, from the basin of the Río Soto la Marina - possibly more intimately to the latter.

Dawson, C.E. (1963) 10-13546 F
Copeia, (3):585-6
Notes on Gobiosoma longipala Ginsburg, with a record of its occurrence in Mississippi waters

Peckham, R.S. & C.F. Dineen (1963) 10-13547 F
Copeia, (3):586-8
Development of the caudal fin in the central mudminnow, Umbra limi (Kirtland)

Branson, B.A. & R. Hartmann (1963) 10-13548 F
Copeia, (3):591
Lepisosteus oculatus (Rafinesque) in Kansas

Egami, N. (1963) 10-13549 F
Copeia, (3):592-3
Studies on variation in number of anal fin rays in Oryzias latipes. Effect of X-irradiation

Konstantinov, A.S. (1961) 10-13550 F
Nauch.Dokl.vyssh.Shk.(biol.), 2:23-9
Dinamika chislennosti i vozrastnogo sostava populiatsii osnovnykh predstavitelei semeistva reki Volgi bliz Saratova
(Population dynamics and age composition of the principal members of the family in the River Volga near Saratov)

Mitrofanov, V.P. (1961)C 10-13551 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:51-64
Ryby oz. Marka-Kul'
(Fishes of Lake Marka-Kul')

Markova, E.L. (1961)C 10-13552 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:33-43
Biologicheskie pokazateli promyslovogo stada leshcha kak osnovnogo ob'ekta v promysle Aral'skogo moria
(Biological indices of a commercially valuable school of carp-bream, as a principal industrial target of the Aral Sea)

Turdakov, F.A. (1961)C 10-13553 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:167-93
Itogi nabliudenii po ekologii razvitiia issyk-kul'skikh ryb
(Results of observations on the growth ecology of Issyk-Kul' fishes)

Agapova, A.I. (1961)C 10-13554 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:91-5
Parazitarnye zabolevaniia ryb v Alma-Atinskom prudovom khoziaistve
(Parasitic fish diseases in the Alma-Ata fish ponds)

Bykov, N.E. (1961)C 10-13555 F
In Trudy konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:45-50
Materialy po akklimatizatsii v Aral'skom more ryb i kormovykh bespozvonochnykh
(Data on the acclimatization of fish and feed invertebrates in the Aral Sea)

Iksanov, K.I. (1961)C 10-13556 F
In Trudy konferentsii po rybnomu khoz-vu
respublik Sred. Azii i Kazakhstana:101-16
Gel'minty ryb ozera Issyk-Kul'
(Helminths of Lake Issyk-Kul')

Martekhov, M.F. (1961)C 10-13557 F
In Trudy konferentsii po rybnomu khoz-vu
respublik Sred. Azii i Kazakhstana:63-72
K akklimatizatsii leshcha v vodoemakh
Irtysh-Zaisanskogo basseina
(Acclimatization of carp-bream in waters of
the Irtysh-Zaisan basin)

Osmonov, S.O. (1961)C 10-13558 F
In Trudy konferentsii po rybnomu khoz-vu
respublik Sred. Azii i Kazakhstana:97-100
O sostoianii izuchennosti parazitofauny
ryb Uzbekistana
(Present situation in regard to study of
fish parasite fauna in Uzbekistan)

Iudin, V.L. (1961)C 10-13559 F
In Trudy konferentsii po rybnomu khoz-vu
respublik Sred. Azii i Kazakhstana:77-89
Opyt vyrashchivaniia molodi zerkal'nogo
karpa s primeneniem metodov intensifikatsii
(An attempt at rearing mirror carp fry by
intensification methods)

Vashchenko, D.M. (1961) 10-13560 F
Zool.Zh., 40:725-9
O razmnozhenii karasia v Kakhovskom
vodokhranilishche
(Carp breeding in the Kakhovka Reservoir).
En

Bykhovskaia-Pavlovskaia, I.E. 10-13561 F
et al. (1962)B
Opred.Faune SSSR, 80:776 p.
Opredelitel' parasitov presnovodnykh ryb
SSSR
(Key to parasites of freshwater fish of the
U.S.S.R.)

Bykhovskaya-Pavlovskaya, I.E. 10-13562 F
et al. (A. Birron & Z.S. Cole, Transl.)
(1964)C
OTS TT-64-11040:927 p.
Key to parasites of freshwater fish of the
U.S.S.R.

En 10-13561.
Available from U.S. Department of Commerce,
Washington D.C.

Berg, L.S. (O. Ronen, Transl.) 10-13563 F
(1965)C
ETC TT-63-11057:520 p.
Freshwater fishes of the U.S.S.R. and
adjacent countries, Vol. 3

En L.S. Berg, 1949. CR 62-06782, 9-01475.
Available from European Translations Centre,
Delft, Netherlands.

McFadden, J.T. & E.L. Cooper 10-13564 FG
(1964)
Physiol.Zoöl., 37(4):355-63
Population dynamics of brown trout in
different environments

Explores consequences of assumption that populations perviously studied were approximately stationary. Assumption permits construction of ecological life tables. Components of these tables and age-specific fecundity rates compared for five populations to determine by what processes the populations maintained the assumed stationary state under widely differing environmental conditions. CR 61-13028, 62-06751, 8-11314, 8-11315.

Herbert, D.W.M. & J.M. Vandyke 10-13565 FG
(1964)
Ann.appl.Biol., 53:415-21
The toxicity to fish of mixtures of poisons

Tests with rainbow trout in mixtures of ammonium chloride with copper sulphate and of phenol with zinc sulphate show that threshold of toxic concentration for 50% mortality occurs in solutions for which a value of 1 is obtained by summing the concentrations of the individual poisons expressed as fractions of their individual threshold concentrations.

Wong, A.C. & C.Y. Wang (1963) 10-13566 FG
Acta Biol.exp.sin., 8(2):131-8
Genetic effects on goldfish, Carassius
auratus, induced by ultrasonic wave. Ch
En

Both sexes treated with ultrasonic wave, of different kinds of intensities and frequencies. Dominant lethal effects and a dominant visible mutation observed in offspring of treated fish. Monstrosities and high rate of mortality were produced in embryonic stages of F_1 generation. Individuals with deficient operculum were found among offspring of treated goldfish from F_1 - F_3 generations.

Houston, A.H. & N.W. Falkner (1963)A 10-13567 FG
Rev.canad.Biol., 22(1):123-6
A note on the rapid separation of goldfish haemoglobins by paper electrophoresis

Bentley, P.J. & B.K. Follett (1965) 10-13568 FG
J.Endocrin, 31:127-37
The effects of hormones on the carbohydrate metabolism of the lamprey Lampetra fluviatilis

River lampreys regulated blood glucose concentration when injected with glucose. Mammalian insulin decreased blood glucose concentration while adrenaline, cortisol and arginine vasotocin increased it. Glucagon had no effect initially but after a delay of 4 hr. decreased blood glucose level. Insulin and cortisol increased liver glycogen concentration. Adrenaline decreased muscle glycogen concentration; vasotocin increased it. Treatment with alloxan increased blood glucose concentration. Fat and glycogen in the lamprey are stored mainly in the skeletal muscles and their histochemical distribution in muscle is described. Results are discussed in relation to metabolism of migrating lamprey and evolution of control of carbohydrate metabolism in vertebrates.

Linscott, S.P. (1963) 10-13569 FG
Progr.Fish Cult., 25(3):164
A device for cleaning concrete walls

Describes a gasoline powered wall cleaner for cement fish tanks.

Milstead, W.W. (1963) 10-13570 G
Copeia, (1):206-7
Introduction to the study of animal populations

Re 62-04025.

Milstead, W.W. (1963) 10-13571 G
Copeia, (1):206-7
Growth and regulation of animal populations

Re 62-04123.

Lambou, V.W. (1963) 10-13572 G
Progr.Fish Cult., 25(3):150
Making plastic impressions of fish scales with a roller press

Describes methods of overcoming compression and distortion of slides by using thicker slides.

Lowry, G.R. (1963) 10-13573 G
Progr.Fish Cult., 25(3):165-6
Use of acetate inserts in scale envelopes

Describes use of a clear acetate insert that can double as a dry mount.

Nicholas, W.L. & H.B.N. Hynes (1963) 10-13574 G
Proc.zool.Soc.Lond., 141(4):791-801
The embryology of Polymorphus minutus (Acanthocephala)

The development of the egg of Polymorphus minutus, and acanthocephalan parasite of water birds, is described.

MISCELLANEOUS AND AUXILIARIES

Segerstrale, S.G. (1964)A 10-13575 M
Comment.Biol.,Helsinki, 27(3):44 p.
Literature on marine biology in the Baltic area published in the years 1953-1962

IMCO (1963)C 10-13576 M
London, 118 p.
Glossary of maritime technical terms.
Glossaire des tèrmes techniques maritimes.
Glosário de términos técnicos marítimos.
Slovare morskikh tekhnicheskikh terminov

Lists terms and equipments in four languages, with alphabetic index in each language; relating to ships, and shipping, and also covering aspects of oceanography, maritime meteorology, and fisheries.

ANON. (1963) 10-13577 M
Propeller, (18):3
How poisons work

Discusses the way in which the different poisons used in anti-fouling paints act to prevent the settlement and growth of those organisms which would otherwise have become established on them.

Davies, J.F. (1964) 10-13578 M
Fish.Newslett.Aust., 23(9):26-7
Law of the sea developments

Traces law of the sea developments in recent years and refers to the complex question of territorial and fishing limits as they apply in the international field and in Australia.

ANON. (1964) 10-13579 M
Fish.Newslett.Aust., 23(7):29
Creation of artificial fishing haunts

Suggestion for the formation of artificial reefs with concrete rubble and old car bodies off the south coast of Western Australia, and discussion of existing reefs of this type in the coastal waters of America and Japan.

Thomas, H.D. (Comp.) (1963) 10-13580 M
Zool.Rec., 97(4):34 p.
Coelenterata

15 pages of references in alphabetic order of author names to documents published mostly in 1960; subject, geographic and taxonomic indexes.

INPFC (1963) 10-13581 M
Treat.int.Acts Ser.U.S.A., (5385):4 p.
High seas fisheries of the North Pacific Ocean. Amendments to the annex to the convention of May 9, 1952, between the United States of America, Canada, and Japan. Recommendations relating to halibut and to herring adopted at the ninth annual meeting of the International North Pacific Fisheries Commission, at Seattle, November 17, 1962, and amended, with respect to herring, January 25, 1963. Ni

INPFC (1962) 10-13582 M
Treat.int.Acts Ser.U.S.A., (4992):4 p.
High seas fisheries of the North Pacific Ocean. Amendment to the annex to the convention of May 9, 1952, between the United States of America, Canada, and Japan, adopted at the eighth annual meeting of the International North Pacific Fisheries Commission at Tokyo on November 11, 1961.
Ni

IAEA (1963) 10-13583 M
Vienna, mimeo, 37 p.
The legal implications of disposal of radioactive waste into the sea

Restricted document.

Miller, M. (n.d.)C 10-13584 M
Geneva, WMO, 16 p.
Weather and the transport of food

Pamphlet incl. sections on oceanographic aspects of transport by sea, and on weather and the fishing industry.

Hachey, H.B. (1963) 10-13585 M
St.Andrews, N.B., 15 p.
Canadian committee on oceanography. Oceanographic bibliography 1960-1963

Holt, S.J. (Ed.) (1963) 10-13586 M
FAO Fish.Circ., (1):20 p.
Improvement of marine fisheries resources

Replies from 11 countries to circular letter on subject.
Distribution restricted.

ANON. (1963) 10-13587 M
U.K.Treat.Ser., (5)
Convention on the high seas. Geneva, April 29/Oct.31, 1958

The convention was ratified by the U.K. on March 14, 1960 and entered into force Sept. 30, 1962.

Aotuka, S. (1964) 10-13588 M
Bull.Fac.Fish.Nagasaki, (17):130-42
(Studies on the decree of fishery-ground in Meiji). Ni

Paloheimo, J.E. & L.M. Dickie 10-13589 M
(1963)
J.Fish.Res.Bd Can., 20(1):13-25
Sampling the catch of a research vessel

The sampling procedure commonly used on board research vessels in which catches are sorted by spp. and picked up into baskets was examined in catches containing several spp.

Nicholls, A.G. (1964) 10-13590 M
Fish.Newslett.Aust., 24(12):17-9
Restrictions on fish catch

Summary of paper presented at Fisheries Management Seminar which discusses several methods of restricting catch.

Lynch, D.D. (1964) 10-13591 M
Fish.Newslett.Aust., 24(12):19
Regulations relating to gears and their use

Summary of paper presented at Fisheries Management Seminar which discusses regulations adopted for different fishing methods in respect of selectivity and fishing power.

Thomson, J.M. (1964) 10-13592 M
Tech.Pap.Div.Fish.C.S.I.R.O., (16):127 p.
A bibliography of systematic references to the grey mullets (Mugilidae)

GFCM (1963) 10-13593 M
Stud.Rev.gen.Fish.Coun.Medit., (20):24 p.
Existing regulations for sardine fishing in the Mediterranean

Compilation of existing regulatings for sardine fishing in the following countries: Cyprus, France, Greece, Israel, Libya, Morocco, Spain, Tunisia, Turkey, United Arab Republic, United Kingdom (Malta), and Yugoslavia.

GFCM (1963) 10-13594 M
Stud.Rev.gen.Fish.Coun.Medit.(Fr), (20):26 p.
Réglementation en vigueur sur la pêche de la sardine en Méditerranée
(Existing regulations for sardine fishing in the Mediterranean)

En 10-13593.

Chapman, W.M. (1963)A 10-13595 M
Paper presented at Symposium of Chemicals from the Sea, 144th National Meeting of the American Chemical Society, Chemical Marketing and Economic Division, Los Angeles, California, April 13, 1963, 17 p., mimeo
Legal problems in harvesting minerals of the deep seabed

Sivalingam, S. (1962) 10-13596 M
Bull.Fish.Res.Sta.Colombo, (13):21 p.
Bibliography on pearl oysters

Ohyama, R. & K. Mimura (1964) 10-13597 M
Wld Fishg Ser.,Tokyo, (5):60 p.
(Background of the U.S. regulatory act for yellowfin tuna, 1962). Ni

Nefed'ev, V.P. (1961) 10-13598 M
Okeanologiia, 1:556-63
Sovremennaia izuchennost' morei Indonezii. Obzor
(Review of recent work on the seas of Indonesia)

Sissakian, N.M. (1963) 10-13599 MG
UNESCO Courier, 16(5):10-6
A biologist looks at world co-operation in science

Schnell, R.B. (1964) 10-13600 MG
Inst.Abstr.Operat.Res., 4(2):157
Fitting empirical particle size distributions to the log normal distribution

Straightforward, algebraic method of "fitting" the log normal distribution to data subject to systematic error or bias proposed. While examples given are concerned with particle size distributions, method is easily adapted to other fields, so long as there is a logical basis for the assignment of errors.

Yamada, M. (1965) 10-13601 M
Publ.Seto Mar.biol.Lab., 12(5):359-62
Marine hydroids from Greece

Lists 6 spp. collected near the Piraeus harbour and 6 spp. collected near Athens with distributional notes on each.
Issued also as: Contr.zool.Inst.Fac.Sci. Hokkaido Univ., (673).

Neal, R.A. et al. (1964) 10-13602 MF
Zool.Rec., 98(2):206 p.
Protozoa

Part 1 gives bibliography published in last few years on parasitic and free-living protozoa. Part 2 gives bibliography on fossil protozoa.
Co 62-00558.

Gooding, R.U. (1964) 10-13603 MF
Boston, mimeo, 39 p.
List of copepodologists

Alphabetical list of about 600 scientists, each with his address and short phrase describing specialisation and interests, by area, species groups and subject; list also of about 100 names with unknown addresses.

FAO. Legislation Research Branch (1962)C 10-13604 MF
79 p.
Comparison and abstracts of selected conventions establishing fisheries commission. December 1962

List of conventions, abstracts and comparisons of main provisions regarding composition, financing, meetings, procedures, statistics, regulations and enforcement, relations with other bodies, investigations, reports, legal status and powers, duration and membership.

Salisbury, A.E., M.A. Edwards & P. Curds (Comp.) (1963) 10-13605 MF
Zool.Rec., 97(9):130 p.
Mollusca

46 pages of references in alphabetic order of author names to documents published mostly in 1960; subject, and taxonomic indexes.

Owen, E.F. (Comp.) (1963) 10-13606 MF
Zool.Rec., 98(7):23 p.
Brachiopoda

9 pages of references in alphabetic order of author names to documents published mostly in 1960-61; subject, and taxonomic indexes.

Hastings, A.B. (Comp.) (1963) 10-13607 MF
Zool.Rec., 97(8):12 p.
Bryozoa (Polyzoa)

3 pages of references in alphabetic order of author names to documents published mostly in 1960; subject, and taxonomic indexes.

Brown, H.W. (1963) 10-13608 MF
In 10-10199:20 p.
Main problems and developments in the utilization of fishery resources

Lindström, T. (1963) 10-13609 MF
Svensk Fisk.Tidskr.,72(3):45-6
Fiskeribiologiska termer
(Fishery biological terminology)

Re 61-09899.

Pawley, W.H. (1963) 10-13610 MF
Freed.Hunger Camp.bas.Stud., (10):231 p.
Possibilities of increasing world food production

Sections on magnitudes of future needs in relation to population; available resources and possibilities of further exploitation and improvement. Special section on fisheries and aquatic resources and factors limiting their current use.

Ivlev, V.S. (1961) 10-13611 MF
Trud.Soveshch.ikhtiol.Kom., (13):185-93
Printsip matematicheskogo modelirovaniia dinamiki promyslovykh populiatsii ryb
(The principles of mathematical representation of the dynamics of commercial populations of fish)

Simple exposition of basis of theory of fishing.
Ci F.I. Baranov, 1918, E.S. Russell, 1931, Hjort, J., G. Jahn & P. Ottestad, 1933, W.F. Thompson, 1937, M. Graham, 1939, 58-1530, 59-1839.
Proceedings of the conference on the population dynamics of fishes, Moscow, 1960.

Ivlev, V.S. (U.K.MAFF, Transl.) 10-13612 MF
(1963)C
Lowestoft, mimeo, 14 p.
The principles of mathematical representation of the dynamics of commercial populations of fish

En 10-13611.

Berry, F. (1963) 10-13613 MF
FAO Fish.Circ., (3):4 p.
Out-of-print ichthyological works available on microcards

French, D. (1964) 10-13614 MF
Fish.Newslett.Aust., 23(11):17
Control and limitation of licences

Summary of paper presented at Tasmanian Fisheries Management Seminar advocating limitation of licences and showing how this can affect a fishery.

ANON. (1964) 10-13615 MF
Fish.Newslett.Aust., 23(11):15
Fishermen's Seminar was big success

Brief note on Fisheries Management Seminar held in Tasmania in October 1964.

Temple, J.T. (Comp.) (1965) 10-13616 MF
Zool.Rec., 99(11):46 p.
Trilobita

8 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Ware, S. (Comp.) (1965) 10-13617 MF
Zool.Rec., 99(3):17 p.
Porifera

5 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Harding, J.P. & R.W. Ingle 10-13618 MF
(Comp.) (1964)
Zool.Rec., 98(10):84 p.
Crustacea

24 pages of references in alphabetic order of author names to documents published mostly in 1959-1962; subject, geographic and taxonomic indexes.

Ellis, L.G. (Comp.) (1965)A 10-13619 MF
Zool.Rec., 98(20):19 p.
List of new generic and subgeneric names recorded in volume 98

Curds, P. & S.E. Bunney (Comp.) 10-13620 MF
(1964)
Zool.Rec., 99(17):67 p.
Reptilia

27 pages of references in alphabetic order of author names to documents published mostly in 1961-1962; subject, geographic and taxonomic indexes.

Clark, A.M. (Comp.) (1964) 10-13621 MF
Zool.Rec., 99(5):36 p.
Echinodermata

13 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Temple, J.T. (Comp.) (1964) 10-13622 MF
Zool.Rec., 98(11):35 p.
Trilobita

7 pages of references in alphabetic order of author names to documents published mostly in 1961; subject, geographic and taxonomic indexes.

Palmer, G. & E.I. White (Comp.) 10-13623 MF
(1964)
Zool.Rec., 98(15):83 p.
Pisces

51 pages of references in alphabetic order of author names to documents published mostly in 1960-1961; subject, geographic and taxonomic indexes.

Carlisle, D.B. (Comp.) (1964) 10-13624 MF
Zool.Rec., 98(14):22 p.
Protochordata together with Pogonophora, Enteropneusta, Graptolithina, Pterobranchia and Phoronidea

8 pages of references in alphabetic order of author names to documents published mostly in 1961; subject, geographic and taxonomic indexes.

Taube, C.M. (1963) 10-13625 MF
Progr.Fish Cult., 25(2):101-3
A library system

Describes organization of personal library for fisheries workers.

Morisawa, M. (1963) 10-13626 MF
Fishery Policy Ser.,Tokyo, (1):40 p.
(Present status and problems in the water policy for fisheries). Ni

Arimatsu, A. & B. Ikejiri 10-13627 MF
(1964)
Wld Fishg Ser.,Tokyo, (3):40 p.
(Fishery policies in the United Kingdom, the Federal Republic of Germany and Norway).
Ni

Hunn, J.B. & S.F. Snieszko 10-13628 MF
(1964)AC
West Virginia, Leetown, unpag. 9 p., mimeo
Electrophoretic investigations of fish blood and other body fluids. A bibliography

FAO. Fisheries Division, 10-13629 MF
Biology Branch (1964)A
FAO Fish.Circ.,(2 Rev.4):13 p.
Effects of underwater explosives on aquatic life. A bibliography and list of experts
Effets des explosifs subaquatiques sur les organismes aquatiques. Bibliographie et liste d'experts
Los efectos de los explosivos subacuáticos en la vida acuática. Bibliografía y lista de expertos

Kalugina, A.A. (1961)C 10-13630 MF
In Tez.dokl.i soobshch.Nauchn.konferentsii, posviashch.40-let.deiatel'nosti Novorossiiskoi biol.st.
Obzor deiatel'nosti Novorossiiskoi nauchno-issledovatel'skoi biologicheskoi stantsii im. prof.V.M. Arnol'di Rostovskogo Gosuniversiteta za 40 let.
(A review of the 40 years of work of the V.M. Arnol'di Biological Research Station (Rostov State University) at Novorossiisk)

Grandison, A.G.C., P. Curds 10-13631 MF
& S.E. Bunney (Comp.) (1965)
Zool.Rec., 99(16):76 p.
Amphibia

31 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Markowski, S. (Comp.) (1965) 10-13632 MF
Zool.Rec., 100(1):27 p.
Comprehensive zoology

24 pages of references in alphabetic order of author names to documents published mostly in 1963; subject, geographic and taxonomic indexes.

Prudhoe, S. et al.(Comp.) (1964) 10-13633 MF
Zool.Rec. 99(6):142 p.
Vermes

52 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Palmer, G. & E.I. White (Comp.) 10-13634 MF
(1965)
Zool.Rec., 99(15):85 p.
Pisces

52 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

The Commonwealth Institute 10-13635 MF
of Entomology (1964)
Zool.Rec., 99(13):440 p.
Insecta

142 pages of references in alphabetic order of author names to documents published mostly in 1963; subject, geographic and taxonomic indexes.

Thomas, H.D. (Comp.) (1964) 10-13636 MF
Zool.Rec., 98(4):35 p.
Coelenterata

15 pages of references in alphabetic order of author names to documents published mostly in 1963; subject, geographic and taxonomic indexes.

Tenison, W.P.C. (Comp.) (1964) 10-13637 MF
Zool.Rec., 100(18):76 p.
Aves

57 pages of references in alphabetic order of author names to documents published mostly in 1963; subject,geographic and taxonomic indexes.

Walker, E.P. et al. (1964)C 10-13638 MF
Baltimore, Johns Hopkins Press, Vol. 3:769 p.
Mammals of the world

A systematically, geographically and subjectwise classified bibliography. Incl. references to Cetacea, Pinnipedia, Sirenia. Co 10-10220.

Berdichevskii, L.S. (1961) 10-13639 MF
Rybovod.i Rybolov., 2:29-30
Rybolovnomu zakonodatel'stvu biologicheskoe obosnovanie
(Biological grounds for the law of fisheries)

L'Vovich, M.I. (1961) 10-13640 MF
Izv.Akad.Nauk SSSR (geogr.), 2:37-45
O kompleksnom ispol'zovanii i okhrane vodnykh resursov
(Multi-purpose utilization and conservation of water resources)

McDowall, R.M. (1964) 10-13641 F
Trans.roy.Soc.N.Z.(Zool.), 5(1):1-38
A bibliography of the indigenous freshwater fishes of New Zealand

Lists 399 titles, gives check list of spp. with synonymies and key and index to nomenclatural annotations.

Lassleben (1963) 10-13642 F
Fischwirt, 13(1):1-8
Fischereiliche Folgen des Aufstauens von Flüssen in Niederbayern
(The consequences of building dams on the rivers in Lower Bavaria upon the fishery)

Poole, R.L., D.R. Kuester & 10-13643 F
A. Witt, Jr. (1963)
Trans.Amer.Fish.Soc., 92(1):30-3
The status of spearfishing and the use of SCUBA in fish management programs in the freshwaters of the United States

Results of questionnaire to determine extent of underwater spearfishing in U.S., state regulations governing this sport, and use of SCUBA by fishing departments in management or research programs.

India. Central Inland Fisheries 10-13644 F
Research Institute (1962)A
Quart.Bibliogr.Indian Ref.Fish., (1):8 p.

Contains a list of papers and contributions dealing with: Fisheries biology, culture fisheries, plankton and hydrology, fish pathology, fisheries technology, fishing gear, statistics of catches.

Water Pollution Control 10-13645 F
Federation. Research Committee (1964)
J.Wat.Poll.Contr.Fed., 36:535-72
A review of the literature of 1963 on wastewater and water pollution control

Harding, J.P. & R.W. Ingle 10-13646 F
(Comp.) (1963)
Zool.Rec., 97(10):69 p.
Crustacea

33 pages of references in alphabetic order of author names to documents published mostly in 1960; subject, geographic and taxonomic indexes.

Holden, M.J. (1964) 10-13647 FG
New Scient., 24(411):20-3
Estimating the fisheries potential of African lakes

The author applies some of available techniques of computing natural fish production and optimum rate fishing to his own experiences on Lake Albert in Uganda.

Griffiths, J.G. (1964) 10-13648 G
Bull.Operat.Res.Soc.Amer., 12 Suppl.(2):180-B
Exploration for natural resources

Objective of exploration for natural resources to compile an inventory of potential resources of some defined area generally accomplished in piecemeal fashion by searching for different targets, by different means, at different times, an inefficient procedure as may be shown by comparison of success ratios with and without "technical advice". Distributions of specific kinds of natural resources are not random but clustered. Initially, however, with maximum uncertainty about outcome, there is no choice but to treat distribution of prizes of all kinds as equally likely everywhere. Based on results of this grid (area) sampling, those areas of greatest potential may then be selected for increased effort. Exploration program may therefore be represented as a sampling design with increasingly restricted stratification of initial population based on increasing knowledge about outcome. Results from different initial distributions, and different investment levels, upon successful outcomes may be simply demonstrated. Abstract only.

Bulgakov, N.P. (1961) 10-13649 G
Trud.IOAN, 52:166-70
O "vese" faktorov i odnom vide prognosticheskogo uravneniia
(The weight of factors and one form of forecasting equation)

Balz, C.F. & R.H. Stanwood (Ed.) 10-13650 G
(1962)C
New York, International Business Machines
Corporation, 117 p.
Literature on information retrieval and machine translations

About 1500 references, in author order, with author and KWIC indexes.

Liebmann, H. et al. (Ed.)(1963)C 10-13651 G
München, Zoologisch-Parasitologisches Institut der Tierärztlichen Fakultät der Universität München, 54 p.
Biologisch denken und handeln. Festschrift
(Biologic thinking and acting. Memorial volume)

Whittle, P. (1964) 10-13652 G
Biometrika, 51(1/2):262-4
A branching process in which individuals have variable lifetimes

Discrete-time process differing only from conventional simple branching process. In that lifetime of individual is random variable which may extend over several time-units ("seasons"), death-rate being age-dependent, but reproduction continuing in age-independent fashion throughout life.

Koopmans, L.H., D.B. Owen & 10-13653 G
J.I. Rosenblatt (1964)
Biometrika, 51(1/2):25-32
Confidence intervals for the coefficient of variation for the normal and log normal distributions

Katayama, T. (1964) 10-13654 G
Bull.Jap.Soc.sci.Fish., 30(5):440-3
(Simple procedures for qualitative determination of carotenoids by thin layer and circular chromatography). Ni En

Ackoff, R.L., S.K. Gupta & J.S. Minas (1962)C 10-13655 G
London, Wiley, 464 p.
Scientific method: optimizing applied research decisions

Account of various aspects of scientific method, with special reference to its application for clarifying and assisting in the taking of practical decisions, and the implications of this for the behaviour of the scientist.

Walsh, J.E. (1962)C 10-13656 G
London, Van Nostrand, 549 p.
Handbook of nonparametric statistics: investigation of randomness, moments, percentiles and distributions

First of two volumes forming reference book for important class of statistical techniques.

Utz, W.R. & P.E. Waltman (1963) 10-13657 G
Bull.math.Biophys., 25(1):75-93
Periodicity and boundedness of solutions of generalized differential equations of growth

Sufficient conditions are given for existence of periodic solutions of differential equations having as special cases equations used to describe competition between two species. Poincaré bifurcation theory used to secure one set of conditions, and another set of conditions is secured through generalization of method of V. Volterra. Several integrable classes of systems are discovered and a particular example having periodic solutions is examined in detail.
FiB:s.h

Spiegelberg, H.E. (1963) 10-13658 G
Allg.FischwirtschaftZtg., 15(8):4-6
Eine Informationsreise in den Kongo im Dezember 1962
(An information survey travel to Congo, December 1962)

FAO. Fisheries Division. Biology Branch (1963) 10-13659 G
FAO Fish.Circ., (5):4 p.
New documentation services of interest to research workers in aquatic sciences and fisheries

Sen, B.R. (1964) 10-13660 G
New Scient., 21(376):270-1
Food and agriculture in 1984

IAEA. (1963)C 10-13661 G
Vienna, 459 p.
Proceedings of the symposium on the applications of radiosotopes in hydrology held by the International Atomic Agency, in Tokyo, 5-9 March 1963

Contains 27 articles (papers) devoted mainly to the application of new methods and experiences. Groundwaters and rivers, laboratory tests.
Do 61-41lme.

Ohle, (1964) 10-13662 G
Arch.Hydrobiol., 60(3):382-3
Radioisotopes in hydrology

Re 10-13661.

Larkin, P.A. & W.E. Ricker (1964) 10-13663 G
J.Fish.Res.Bd Can., 21(1):1-7
Further information on sustained yields from fluctuating environments

Methodological article on the best constant rate of exploitation.

Dorian, A.F. (Comp.)(1962)BC 10-13664 G
Englewood Cliffs, N.J., Prentice-Hall, 732 p.
Six-language dictionary of electronics, automation and scientific instruments; a comprehensive dictionary in English, French, German, Italian, Spanish and Russian. Fr De Es Ru It

Thewlis, J.(Ed.)(1963)C 10-13665 G
London, Pergamon Press, 866 p.
Encyclopaedic dictionary of physics; general, nuclear, solid state, molecular, chemical, metal and vacumn physics, astronomy, geophysics, biophysics and related subjects

Contains 10-10664.

Kozešnik, J. (1963) 10-13666 G
Sankhya (A), 25(1):39-64
A simple stochastic model of continuous culture of microorganisms in several basins

Expected values and variances of number of microorganisms in cultivation basins and formulae for steady as well as transient state are given. Condition for culture to stabilise on non-zero expected values calculated.

Watt, K.E.F. (1963) 10-13667 G
Canad.Ent., 95(5):525-36
Dynamic programming, look ahead programming and the strategy of insect pest control

Many problems in management of renewable natural resources are extremum problems: we wish to maximize fish yield from a lake, etc. Such problems can be handled better by dynamic programming than classical analysis, because of large number and complex nature of constraints imposed on such systems. A priori arguments and analysis of biological time series show that such renewable natural resources do not constitute Markov processes. Paper reports computer experiments on strategy evaluation procedures, using dynamic programming and modified dynamic programming with two-stage "look-ahead".

Rothschild, B.J. (1963) 10-13668 G
Copeia, (4):601-3
Graphic comparisons of meristic data

The usual presentation of graphic analysis is similar to the form proposed by Hubbs and Perlmutter. Methods of presentation may be uncritical and the procedure itself is subject to inherent statistical weaknesses. The presentation is strengthened by utilizing Tukey's multiple comparison procedure. Tukey's procedure has a fixed range and can be presented graphically.
FIB:hr

Zeleznev, V.M. & G.P. Sobolev 10-13669 G
(1961)
Trud.Inst.Okeanol., 47:108-18
Poluavtomaticheskii intergroanalizator dlia obrabotki dannykh nabliudenii
(A semi-automatic integroanalyser for processing observation data)

Brudin, I.D. (1961) 10-13670 G
Priroda, 4:23-30
Biometeorologiia. Ptitsy i prognoz pogody. Golosa moria. Ryby - zhivye barometry. Nasekomye i pogoda. Rasteniia - indikatory temperatury, fliugera i kompasy
(Biometeorology. Birds and weather forecasting. Voices of the sea. Fishes - living barometers. Insects and weather. Plants as indicators of temperature, wind vanes and compasses)

CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

Volume 10, Section 1 - Meetings: Congresses, Conferences, Symposia

10-001me to 10-123me

FAO (1965) 10-001me MF
8th Far East regional conference

Fisheries Resources Investigations Conference (1965) 10-002me MF
4th Session

Comité Permanent des Congrès des Pêches et Industries Maritimes (1965) 10-003me M
19e Congrès des pêches et industries maritimes (19th Congress of fisheries and maritime industries)

Tuna investigations conference (1965) 10-004me M
10th Session

OECD (1965) 10-005me M
Expert meeting to explore the feasibility of more elaborate quality standards for canned sardines

OECD/International Institute of Refrigeration (1965) 10-006me MF
Meeting of group of experts to prepare a draft on code of practice for frozen fish

SCTR/OAU (1965) 10-007me F
Symposium on precessing, conservation and marketing of freshwater fish

British Ecological Society (1966) 10-008me MF
Winter and annual general meeting

IPHC (1966) 10-009me M
Meeting

Challenger Society (1966) 223rd Scientific meeting	10-010me	M
Challenger Society/Representatives from the Marine Laboratories (1966) Joint meeting	10-011me	M
Canada. Department of Fisheries, Federal-Provincial Atlantic Fisheries Committee (1966) Canadian Atlantic offshore fishing vessel conference	10-012me	M
NPFSC (1966) Meeting	10-013me	M
WMO, Commission for Synoptic Meteorology (1966) 4th Session	10-014me	M
SCIBP (1966) 3rd Meeting	10-015me	MF
IBP (1966) Meeting of PM sectional committee, in conjunction with 9-122me and 10-015me.	10-016me	MF
Federation of American Societies for Experimental Biology (1966) Meeting	10-017me	MF
British Ecological Society (1966) Symposium on the teaching of ecology	10-018me	MF
Institute of Environmental Sciences (1966) Annual technical meeting and equipment exposition	10-019me	M
Symposium on marine bio-acoustics (1966) 2nd Symposium	10-020me	M
Conference on lateral line system fishes (1966)	10-021me	MF
CARPAS (1966) 3rd Session	10-022me	MF
U.S. National Fisheries Institute (1966) 21st Meeting	10-023me	MF

American Society for Microbiology (1966) Annual meeting	10-024me	MF
FAO (1966) Conference of plenipotentiaries on conservation of tuna resources in the Atlantic Ocean	10-025me	M
EIFAC (1966) 4th Session	10-026me	F
Fisheries Council of Canada (1966) 21st Annual meeting	10-027me	MF
NEAFC (1966) 4th Session	10-028me	MF
Australian Marine Science Association (1966) Congress on tropical and subtropical marine science	10-029me	M
ACMRR(FAO) (1966) Working party on trophodynamics of marine communities	10-030me	M
ICNAF/ICES (1966) Meeting of working group on North Atlantic salmon, in conjunction with 10-036me.	10-031me	M
ICNAF (1966) Meeting of assessments subcommittee, in conjunction with 10-036me.	10-032me	M
ICNAF (1966) Meeting of steering and publications subcommittee, in conjunction with 10-036me.	10-033me	M
ICNAF (1966) Meeting of standing committee on research and statistics, in conjunction with 10-036me.	10-034me	M
ICNAF (1966) Meeting of scientific advisers to panels, in conjunction with 10-036me.	10-035me	M
ICNAF (1966) 16th Annual meeting	10-036me	M

FAO (1966) 1st Session of committee on fisheries	10-037me	MF
Cold Spring Harbor Laboratory of Quantitative Biology (1966) Symposium on quantitative biology	10-038me	MF
Shrimp Association of the Americas (1966) 14th Annual meeting	10-039me	M
IWC (1966) 18th Annual meeting	10-040me	M
Brazilian Society of Genetics (1966) International symposium on genetics	10-041me	MF
Australia/CSIRO (1966) Symposium on collection and processing of field data	10-042me	G
Institution of Electronic and Radio Engineers (1966) Conference on electronic engineering in oceanography	10-043me	M
WMO (1966) Technical conference on automatic weather stations	10-044me	M
International Water Supply Association (1966) 7th International water supply congress	10-045me	F
Gulf States Marine Fisheries Commission (1966) Annual fall meeting	10-046me	M
FAO (1966) International conference on fishery administration and services	10-047me	MF
FAO (1966) 4th African regional conference	10-048me	MF
Pacific Marine Fisheries Commission (1966) Annual meeting	10-049me	M
FAO (1966) 9th Regional conference for Latin America	10-050me	MF

FAO (1966) Technical conference on fisheries of the West African sub-region	10-051me	M
IMCO (1966) International conference on load lines, 1966	10-052me	M
GLFC/Michigan University/Illinois Institute of Technology (1966) 9th Conference on Great Lakes research	10-053me	F
UNESCO (1966) 4th Session of working group on documentation in the natural sciences	10-054me	G
Pacific Fishery Biologists (1966) 28th Annual meeting	10-055me	MF
Association of Southeastern Biologists (1966) 27th Annual meeting	10-056me	MF
UNESCO (1966) 2nd Session of co-ordinating council of the international hydrological decade	10-057me	F
AGU (1966) Annual meeting (incl. oceanography)	10-058me	MG
CARPAS (1966) Working group on fisheries statistics	10-059me	MF
Nutrition Society (of U.K.) (1966) Symposium on fish farming	10-060me	MG
UNDP (1966) 1st Meeting of country liaison officers of UNDP/SF Caribbean regional fishery development project	10-061me	M
Challenger Society/Glaciological Society (1966) Joint meeting	10-062me	MF
CIESMM (1966) Meeting of group on brackish water	10-063me	MF

NATO (1966) Meeting of Mediterranean productivity survey group	10-064me	M
International Cell Research Organization (1966) Meeting of working group on molecular biology and control processes	10-065me	G
Challenger Society (1966) Annual general meeting	10-066me	MF
Challenger Society (1966) 224th Scientific meeting	10-067me	MF
OECD (1966) Expert meeting on the economic study of fishery development of the North Atlantic	10-068me	M
Black Sea Commission (1966) Meeting	10-069me	M
IUBS. Section on Biological Oceanography (1966) 1st General assembly	10-070me	M
NEAFC (1966) Meeting	10-071me	M
ASLO (1966) 29th Annual meeting	10-072me	MF
UNESCO/International Union of Geological Sciences (1966) Meeting of working group of the commission for the geological map of the world	10-073me	G
GLFC (1966) Annual meeting	10-074me	F
Challenger Society (1966) 225th Scientific meeting	10-075me	M
IMCO (1966) 1st Session of sub-committee on safety of navigation	10-076me	M

IPFC (1966) 10-077me M
1st Meeting of working party on trawling

IPFC (1966) 10-078me MF
Meeting of working party on fresh fish preservation

FBA/UK (1966) 10-079me M
Annual general meeting

U.S. Department of Health, Education and Welfare (1966) 10-080me M
1st National conference on shellfish depuration

GFCM (1966) 10-081me MF
35th Session of executive committee

Challenger Society/Representatives from the Marine Laboratories (1966) 10-082me M
Joint meeting

Grands Magasins Jelmoli SA (1966) 10-083me MF
Educational exibition "Life under water"

IUBS, Section on Microbiology (1966) 10-084me MF
9th International congress of microbiology

IBP, Sectional Committee on Productivity of Freshwater Communities (1966) 10-085me F
Symposium on chemical methods used in freshwater productivity studies

International Committee of Food Science and Technology (1966) 10-086me G
Special session on "Novel protein foods and their protein sources", in conjunction with 9-142me.

International Co-operative Alliance (1966) 10-087me F
Constituent meeting of the fisheries sub-committee

American Meteorological Society (1966) 10-088me M
Conference on marine (oceanic) meteorology

FBA/UK (1966) 10-089me MF
Discussion meeting on the microbiology of muds - freshwater, estuarine and marine

American Chemical Society (1966) Meeting	10-090me	G
American Fisheries Society (1966) Annual meeting	10-091me	MF
UN (1966) 2nd Regional cartographic conference for Africa	10-092me	G
ACMRR(FAO) (1966) Working party on fishermen's charts and utilization of synoptic data	10-093me	M
SCAR(ICSU) (1966) Meeting of working group on oceanography, in conjunction with 10-096me.	10-094me	M
FID (1966) 32nd Conference	10-095me	G
SCAR(ICSU) (1966) 9th Meeting	10-096me	M
Helgoland.Biologische Anstalt (1966) 1st European symposium on marine biology	10-097me	M
Water Pollution Control Federation (1966) 39th Annual conference	10-098me	MF
ACMRR(FAO) (1966) Preliminary meeting of working party on direct and speedier estimation of fish abundance, in conjunction with 9-150me.	10-099me	M
CERBOM (1966) International meeting on oceanography	10-100me	M
European Federation of Chemical Engineering (1966) 2nd European symposium on freshwater from the sea	10-101me	MF
IPFC (1966) Symposium on fisheries education, in conjunction with 9-151.1me.	10-102me	MF

International Union of the Geological Sciences (1966) Meeting on geochronology	10-103me	G
FAO (1966) Technical conference on fishery officers of the Near East region	10-104me	MF
IAL, Arbeitsgemeinschaft Donauforschung (1966) 10th Annual meeting	10-105me	F
CIESMM (1966) 20th Congress-Plenary meeting	10-106me	MF
INPFC (1966) Meeting	10-107me	MF
Associação de Biologia Tropical (1966) Simpósio sobre a biota Amazónica. Centenario do Museu Paraense "Emilio Goeldi" (1866-1966)	10-108me	F
ECE(UN) (1966) Ad hoc meeting of experts for the study of economic aspects of water pollution control problems	10-109me	MF
FAO/WHO (1966) 4th Session of the joint codex alimentarus committee	10-110me	G
NEAFC (1966) Special meeting on international control	10-111me	M
IUHPS (1966) International congress on the history of oceanography	10-112me	M
ACMRR(FAO) (1967) Working party on FAO regional fisheries councils and commissions, in conjunction with 10-114me.	10-113me	M
ACMRR(FAO) (1967) 4th Session	10-114me	M
COFI(FAO) (1967) Meeting of working party on the rational utilization of the fishery resources of the Indian Ocean	10-115me	MF

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FAO (1967) 8th Near East regional conference	10-116me	MF
COFI(FAO) (1967) Meeting of sub-committee on the development of cooperation with international organizations concerned with fisheries	10-117me	MF
American Fisheries Society. Southern Division (1967) Symposium on reservoir fishery resources	10-118me	F
I-ATTC (1967) 19th Annual meeting	10-119me	M
NEAFC (1967) 5th Meeting	10-120me	M
International Shrimp Council, Inc. (1967) Meeting, in conjunction with 10-122me.	10-121me	MF
FAO (1967) World scientific meeting on the biology and culture of shrimps and prawns	10-122me	MF
IWC (1967) 19th Annual meeting	10-123me	M
IOC. Bureau and Consultative Council (1967)	10-124me	M
SCOR. Executive committee (1967)	10-125me	M
National Institute for Science of India (1967)	10-126me	M

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ACMRR (FAO). Segunda reunión, Roma, 6-12 febrero 1964 (1965) 10005
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U.K. Nature Conservancy. Committee on Grey Seals & Fisheries (1963) 12671
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ANON. (In periodicals)

Alieia (1963) 12330
Allg.FischwirtschaftZtg. (1963) 12874
Amer.Zool. (1963) 10232
Aust.Mar.Sci.Newslett. (1964) 10562
Cah.C.E.R.B.O.M. (1963) 10871
Chem.Engng News (1963) 11165
Discovery (1965) 12945 10156 10694
Engineer, Lond. (1963) 10861
Engineering, Lond. (1963) 10990
Financ.Mail (1965) 12745
Fish.Newslett.Aust. (1964) 10083 10095 10096 11556 11557 12250 to 12260 12300 12370 12583 to 12586 12683 12980 12981 13030 13253 13579 13615
Fish.Newslett.Aust. (1965) 12311 12312 12725 12726 12304 to 12307 12309 12421
Fish.News int. (1964) 12408
France Pêche (1963) 11656 11786 12639 12640 12641

Hydraul.Res.Sta.Notes (1965)		*10560*
Industr.pesq.,Vigo (1963)	*10102*	*10113*
Inform.Bull.Pacif.Sci.Ass.		*13016*
Int.Electron. (1963)		*10107*
Int.hydrogr.Rev. (1963)		*10905*
J.Mar.biol.Ass.U.K. (1964)	*10012* *12466*	*10223*
J.sci.industr.Res. (1963)	*10154*	*12857*
Mar.Obs. (1963)		*10493*
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Rep.trop.Fish Cult.Res.Inst. Malacca (1961?)		*13173*
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Surv.China Mainland Press (1964)		*11445*
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	Soleichthys			12518
	Synaptura			12518
1,87	*Echeneis*		11698	12670
1,88	TETRAODONTIFORMES			12760
1,90	*Chylomycterus*			12542
	Lagocephalus			12724
1,92	*Diplecogaster*			12873
	GOBIESOCIDAE			12873
	Gobiesox		12901	13158
1,93	*Opsanus*	12519	12780	13089
1,95	*Antennatus*			12834
	Lophius			13089
1,99	FISHES, Misc.	10007	10010	10016
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		10930	10931	10936
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		11014	11015	11050
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		11234	11249	11253
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006me 007me 021me
023me 027me 046me
049me 051me 059me
060me 068me 078me
091me 099me 113me
115me 116me 118me

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12169 12186 12192
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12666 13174 13269
13332 13577 13618
13629 13644 13646
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2,02 Chirocephalopsis 11818
Eubranchipus 12044 12058
Streptocephalus 12044

2,03 Lepidurus 13109
Triops 13225

2,05	Bosmina			11356
	Bosminopsis			12114
	CLADOCERA	11296	11372	11984
				12105
	Daphnia	11351	11353	11362
		11367	11371	11376
		11377	11389	11409
	Moina			12114
2,06	OSTRACODA			11780
2,07	CYPRIDAE			11390
	Cypris			12057
	Paijenborchellina			11420
	Pontocytheroma			11560
	Siphlocandona			11390
2,10	Acanthocyclops			11387
	Acartia			11345
	Bomolochus			13024
	Bonnierilla			11245
	Brachiella			12954
	Calanus	11300	12619	12898
	Caligus			12678
	Candacia			13024
	Ceuthonectes			11388
	CLAUSIDIIDAE			11259
	CLAUSIIDAE			11259
	Clavellisa			12954
	Clavellistes			12693
	Corycaeus			11201
	Cybicola			13186
	Cyclops			11378
	Diacyclops			11387
	Diaptomus			11380
	DICHELESTHIIDAE			13186
	Doropygus			11245
	Echthrogaleus			12692
	Ectinosoma			11388
	Elaphoidella			11388
	Epilobidocera			11203
	Ergasilus			13032
	Eucalanus			11203
	EUCOPEPODA	11191	11192	11388
		11709	11780	12690
	Eucyclops			11394
	Eudactylina			13186
	Eunicicola			11238
	Eurynotopsyllus			11238
	Farranula			11201
	Foxtonia			11208
	Gladioferens			11269
	Heliodiaptomus			12115
	Isobranchia			12954
	Lepeophtheirus		12530	12678
	Lernaeenicus			12469
	Lernanthropus			13186
	Lutkenia			12691
	Monstrilla			11288
	Naobranchia			12954
	Pachypygus			11246
	Paraeuchaeta			11203
	Paranotodelphys			11246
	Parastenocaris			11388
	Pseudocaligus			12682
	Pseudocyonus			13186

	Rebelula			12599
	Rhinediaptomus			12114
	Thysanote			12954
	Tigriopus		11539	12588
	Tracheliastes			13238
	Trebius			12531
	Vanbenedenia			11750
2,11	Argulus	13201	13522	13523
2,12	CIRRIPEDIA			11767
2,13	Balanus	10882	11517	11518
		11574	11716	11817
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	Chthamalus		11421	12004
	Elminius		11418	11876
	Tetraclita			11836
	THORACICA		11615	11811
2,14	Kochlorine			11510
	Utinomia			11510
2,16	RHIZOCEPHALA			13036
2,18	Nebalia			11735
2,19	ANASPIDACEA, BATHYNELLACEA			11976
2,20	Bathymysis			11501
	Doxomysis			11502
	MYSIDACEA		11423	11804
	Neomysis			11325
	Tenagomysis			12053
2,21	BODOTRIIDAE			11289
	Cyclapis			11272
	Heterocuma			11289
	Sympodomma			11289
2,22	Apseudes			11247
	Leptochelia			11247
	Pagurapseudopsis			11247
2,23	Anilocra			11455
	Aparthura			11554
	Asellus	12130	12135	12140
	Austrosignum			11554
	BOPYRIDAE			12858
	Cirolana			12762
	Colubotelson			12135
	ISOPODA	11423	11554	11640
			11804	12180
	Limnoria		11467	11780
	Munna			11554
	Rocinela			11671
2,24	AMPHIPODA	11258	11450	11528
		11700	11831	11832
			11951	12180
	Aristias			11528
	Corophium			11967
	Gammarus		12043	12193
	Hyalella			12136
	Marinogammarus	11626	11667	11804
	Melita		11528	11830
	Orchestia			11623

	Orchestoidea			*11823*
	Orchomenella			*11688*
	Parathemisto			*12558*
	Photis			*11528*
	Pontoporeia			*12085*
	Salentinella			*12200*
	Talitrus		*11623*	*11644*
	Talorchestia			*11828*
2,25	*Squilla*			*12528*
	STOMATOPODA			*11723*
2,26	*Euphausia*		*11204*	*11217*
	EUPHAUSIACEA			*11258*
2,27	*DECAPODA*	*11468*	*11811*	*11973*
				11989
2,28	*Alpheus*			*11871*
	Crangon		*11914*	*12547*
	Eualus			*11639*
	Lebbeus			*11639*
	Macrobrachium			*11959*
	Metapenaeus		*11492*	*11662*
	NATANTIA	*11241*	*11449*	*11933*
		12252	*12283*	*12288*
		12304	*12338*	*12380*
		12526	*12653*	*12661*
		12662	*12663*	*12664*
			12946	*039me*
	Palaemon	*11748*	*11857*	*11935*
	Palaemonetes		*11842*	*11910*
	Pandalina			*11846*
	Pandalus	*11447*	*11842*	*12871*
	PENAEIDAE	*10203*	*11617*	*11618*
		12255	*12347*	*12386*
		12658	*12675*	*12732*
		13025	*13030*	*121me*
				122me
	Penaeus	*11682*	*11853*	*11922*
		11956	*12654*	*12655*
			12657	*12665*
	Solenocera			*11617*
	Spirontocaris			*11639*
	Synalpheus			*11871*
	Thoralus			*11639*
2,29	*Achaeus*			*11872*
	Argis			*11760*
	ASTACIDAE		*12059*	*13171*
	Astacus			*12068*
	Callinectes		*11862*	*12652*
	Calocaris			*11759*
	Cancer	*11641*	*12000*	*12918*
	Carcinides	*11454*	*11456*	*11843*
			11908	*11957*
	Dermaturus			*11291*
	Dorippe			*11293*
	Eupagurus			*11685*
	Eurynome			*11872*
	Galathea			*11658*
	GALATHEIDAE			*11787*
	Gecarcinus		*12000*	*12023*
	Grapsus			*12000*
	Hemigrapsus		*11864*	*12000*
	Homarus	*11447*	*11462*	*11488*
		11563	*11912*	*12239*
		12352	*12722*	*12808*
				12850

	Hyas			*11872*
	Inachus			*11872*
	Jasus	*10139*	*12255*	*12300*
		12308	*12585*	*12725*
			12729	*13030*
	Leptodius			*11728*
	Linuparus			*12683*
	Lissocarcinus			*11663*
	LITHODIDAE			*11291*
	Lyreidus			*11652*
	Macropodia			*11872*
	Maja		*11743*	*11872*
	Nephrops		*12238*	*12720*
	Ocypode	*11592*	*11631*	*11859*
			11865	*12000*
	Pachycheles			*11292*
	Pachygrapsus			*12000*
	PAGURIDAE			*11290*
	Paguristes			*11490*
	Pagurus		*11879*	*11909*
	Palinurus			*12380*
	Panulirus	*11470*	*11538*	*11543*
		11546	*11618*	*11704*
		11732	*11855*	*12255*
		12300	*12308*	*12585*
		12652	*12725*	*12729*
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	Parathelphusa			*11841*
	Petrolisthes	*11434*	*11504*	*11580*
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	Phyllosoma			*11509*
	Pinnotheres		*11693*	*11878*
	Pisa			*11872*
	Pisidia			*11504*
	Porcellana			*11505*
	Porcellanella			*11504*
	PORCELLANIDAE			*11292*
	POTAMONIDAE			*12150*
	Procambarus	*12042*	*12051*	*12131*
	REPTANTIA	*10277*	*11434*	*11499*
		11534	*11552*	*11577*
		11687	*11892*	*12199*
			12249	*12336*
	Scyllarus		*11745*	*11798*
	Thenus			*12305*
	Uca	*11435*	*11592*	*11702*
		11776	*11834*	*11842*
			11863	*12000*
	Upogebia			*11642*
2,99	*CRUSTACEANS, Misc.*		*10007*	*10010*
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		10203	*10209*	*10213*
		10214	*10215*	*10254*
		10261	*10507*	*10584*
		10845	*11194*	*11234*
		11253	*11635*	*11703*
		11793	*11809*	*11906*
		11934	*11939*	*12195*
		12232	*12233*	*12241*
		12262	*12267*	*12268*
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		12286	*12289*	*12292*

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		12416	12660	12727
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		13610	13625	13644
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		049me	051me	059me
		068me	091me	113me
			115me	116me
3,00	MOLLUSCS – Gen	10010	10024	10079
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		10706	10908	10928
		10935	10945	10946
		10965	10999	11001
		11007	11043	11088
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		11194	11195	11210
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		11413	11414	11415
		11448	11453	11466
		11476	11478	11525
		11529	11532	11542
		11565	11598	11602
		11603	11618	11653
		11722	11737	11738
		11762	11763	11768
		11771	11772	11781
		11794	11795	11806
		11808	11815	11840
		11854	11858	11877
		11891	11901	11904
		11932	11954	11971
		11978	12006	12035
		12040	12102	12103
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		12157	12164	12166
		12168	12169	12186
		12187	12192	12206
		12465	12466	12666
		13174	13269	13332
		13577	13605	13629
			13644	030me
3,05	GASTROPODA	11522	11524	11811
		11986	12069	12115
			12204	13340
3,06	PROSOBRANCHIATA		11681	11948
3,07	Acmaea	11522	11523	11777
	Austrocochlea			11727
	Cellana			11727
	Fissurella			11836
	Haliotis	11556	11684	12254
		12255	12731	13030
	Melanerita			11727
	Montfortula			11727
	Patella	11572	11613	11889
	Theodoxis			12201
	Turbo		11730	11829
3,09	Amoria			11548
	Buccinum			11625
	Bullia			11958
	CONIDAE		11676	11679
	Conus		11526	11648
	Hemifusus			11725
	MITRIDAE			11676
	Morula			11727
	MURICIDAE			11966
	Nucella			11635
	OLIVIDAE			11676
	Pisania			13025
	Pleuroploca			11694
	Volutidae			11676
3,10	Amnicola			12025
	Anisus			12084
	Bembicium			11727
	Bithynia			12071
	Cardiopoda			11244
	Cypraea		11649	11650
	CYPRAEIDAE	11551	11676	11680
	Littorina		11701	11801
	Pila			12100
	SROMBIDAE			11676
	Valvata			12071
3,11	Catriona			11484
	Cephalopyge			11507
	Cuthona			11484
	Embletonia			11486
	Favorinus		11734	11747
	Gastropteron			11749
	OPISTHOBRANCHIATA		11274	11480
			11678	11765
	Palisa			11851
	Runcina			11494
	Sagaminopteron			11749

	Selva			*11851*
	Stiliger			*11511*
	Tenellia			*11485*
3,13	*Australorbis*			*12182*
	BASOMMATOPHORA			*13496*
	Biomphalaria			*12111*
	Limnaea	*10949*	*12001*	*12065*
3,14	*Arion*			*12001*
	Helix	*11908*	*12001*	*12065*
	Limax			*12001*
	Spartina			*10878*
3,15	*PELECYPODA*	*11524*	*11582*	*11585*
		11586	*11587*	*11676*
		11693	*11811*	*11895*
		12052	*12101*	*12115*
				12204
3,16	*Anodonta*			*12001*
	Anomia			*11807*
	Chlamys	*11706*	*11807*	*11888*
				11969
	Crassostrea	*11567*	*11686*	*11782*
		11802	*11960*	*12244*
	Hyriopsis			*12116*
	Lamellidens		*12176*	*12228*
	Lima			*11433*
	Margaritana		*12047*	*12170*
	Modiolus		*11664*	*11705*
	Mytilus	*10882*	*11615*	*11868*
		11878	*11887*	*11913*
			12002	*12244*
	Nucula			*11573*
	Ostrea	*11418*	*11457*	*11807*
		11918	*12244*	*12251*
	Pecten	*11417*	*11433*	*11625*
		11656	*12731*	*13125*
	Patinopecten			*11791*
	PECTINIDAE	*11792*	*12255*	*12256*
	Pinctada	*11544*	*11583*	*11584*
		11731	*12147*	*12257*
		12310	*12473*	*12889*
				13596
	Placopecten	*11447*	*11810*	*11816*
				11969
	Pteria			*11669*
	Unio			*12001*
	Yoldia			*11500*
3,17	*Bankia*			*11890*
	Longimactra			*11535*
	Macoma	*11229*	*11516*	*11874*
	Mercenaria			*13066*
	Meretrix	*11491*	*11566*	*11990*
	Mya	*11229*	*11779*	*11803*
				11993
	MYACIDAE			*11764*
	Spisula		*11711*	*12067*
	TEREDINIDAE			*11651*
	Teredo			*11493*
	Venus		*11695*	*11850*
3,19	*CEPHALOPODA*			*11512*

3,21	*Aeroteuthis*			*11788*
	Benthoctopus			*11739*
	Callistroctopus			*11739*
	Calliteuthis			*11739*
	DIBRANCHIA	*12338*	*12574*	*12891*
	Eledone			*11647*
	Enoploteuthis		*11739*	*11856*
	Loligo	*11557*	*11575*	*11596*
		11647	*11786*	*11788*
			11861	*12714*
	Octopus	*11471*	*11513*	*11545*
		11611	*11612*	*11646*
		11647	*11739*	*11740*
		11741	*11753*	*11869*
		11875	*12502*	*13213*
	Ommastrephes	*11536*	*11579*	*12737*
	Onykia			*11739*
	Paroctopus			*11739*
	Sasakinella			*11739*
	Sepia	*11628*	*11647*	*12639*
				12703
	Sommastrephes			*11788*
3,99	*MOLLUSCS - Misc.*		*10007*	*10010*
		10016	*10045*	*10054*
		10089	*10106*	*10141*
		10142	*10145*	*10148*
		10176	*10181*	*10183*
		10194	*10196*	*10197*
		10198	*10200*	*10201*
		10203	*10209*	*10213*
		10214	*10215*	*10254*
		10261	*10462*	*10463*
		10507	*10584*	*10845*
		11194	*11234*	*11253*
		11483	*11677*	*11719*
		12014	*12128*	*12152*
		12195	*12232*	*12233*
		12241	*12262*	*12267*
		12268	*12269*	*12281*
		12285	*12286*	*12289*
		12292	*12295*	*12297*
		12303	*12311*	*12316*
		12319	*12331*	*12335*
		12343	*12346*	*12348*
		12357	*12359*	*12360*
		12366	*12375*	*12376*
		12377	*12384*	*12388*
		12394	*12395*	*12396*
		12397	*12416*	*12660*
		12727	*12891*	*13344*
		13464	*13576*	*13578*
		13584	*13586*	*13604*
		13608	*13609*	*13610*
		13625	*13644*	*13659*
		002me	*003me*	*023me*
		027me	*046me*	*049me*
		051me	*059me*	*061me*
		068me	*080me*	*087me*
		091me	*113me*	*115me*
				116me
4,00	*MAMMALS - General*		*10211*	*10220*
		12959	*13570*	*13571*
4,03	*Sorex*			*13334*

4,05	MUSTELIDAE			10220
4,06	Arctocephalus			12892
	Callorhinus	10136	12593	12613
		12614	12771	12860
				12864
	Cystophora			12791
	Erignathus		12442	12791
	Eumetopias	12441	12612	12815
				12843
	Halichoerus	12507	12509	12540
		12671	12733	12791
				12905
	Histriophoca			12442
	Hydrurga			12900
	Leptonychotes		12897	12900
	Lobodon			12900
	Odobenus			12791
	Ommatophoca			12700
	Pagophoca			12791
	PINNIPEDIA	10016	10220	12726
		12782	12802	13638
	Pusa		12442	12791
4,14	Dugong			12680
	SIRENIA		10220	13638
	Trichechus			12701
4,16	Nutria			13176
	Ondatra			13154
4,21	CETACEA	10007	10016	10096
		10133	10139	10779
		12266	12280	12296
		12315	12339	12439
		12563	12565	12583
		12591	12602	12744
		12766	12768	12770
		12781	12802	12848
			12919	13638
4,22	Delphinapterus			12921
	DELPHINIDAE	12505	12569	12584
		12706	12776	12777
	Hyperoodon			12302
	Mesoplodon			12707
	ODONTOCETI			12569
	Phocaena		12494	12710
	Physeter	12574	12587	12617
		12618	12620	12631
		12767	12803	12916
				12926
	Tursiops	12470	12471	12837
4,23	Balaenoptera borealis		12556	12769
				12803
	Balaenoptera musculus		12769	12803
	Balaenoptera physalus		12553	12556
		12573	12685	12694
		12767	12769	12803
			12899	13328
	Balaenoptera sp.			12616
	Eubalaena	12555	12580	12803
	Megaptera	12556	12767	12803
				12888
	MYSTACOCETI	11310	12497	12567
		12575	12615	12621
				12702

4,97	MAMMALS - AQUATIC		12465	12498
		12673	12938	12957
5,00	AMPHIBIANS, GEN.		10211	12959
		13570	13571	13631
5,05	Ambystoma	13064	13116	13167
	Dicamptodon			13463
	Taricha			13462
5,09	Xenopus		13167	13285
5,10	Pelobates			13169
5,11	Bufo			13167
5,12	Rana		13168	13169
5,29	AMPHIBIANS, MISC.		13089	13112
5,30	REPTILES, GEN	10211	12959	13570
			13571	13620
5,31	Caretta			12908
	CHELONIA	12465	12592	13500
				13540
	Chelonia			10212
	Chrysemys		13466	13504
	Clemmys			11888
	Dermochelys		12730	12827
	Eretmochelys			10212
	Graptemys			13504
	Pseudemys			13504
	TESTUDINIDAE			11888
	Testudo			12809
5,35	HYDROPHIDAE			12536
	Natrix			13382
5,50	AVES	13570	13571	13637
5,58	Aptenodytes			12704
5,68	LARIDAE			12958
5,87	BIRDS, Aquatic		12677	12783
5,89	BIRDS, Misc.			13199
5,90	INVERTEBRATE CHORDATA			10211
5,91	ENTEROPNEUSTA			13624
5,93	POGONOPHORA	10094	11696	11755
				13624
5,94	TUNICATA			11811
5,95	APPENDICULARIIDAE			11275
5,96	Amaroucium			11833
	Ascidia			11643
	ASCIDIACEA	11245	11565	11885
				12231
	Ciallusia			11873
	Ciona			11636
	Halocynthia			11664
	Styela			11614

6,00	PROTOZOA	11332	11565	12196
		13036	13423	13452
		13558	13561	13602
6,01	Chilodon			13522
	Cryptobia			13353
	Hexamita			13410
	Ichthyobodo			13201
	Octomitus			13410
6,03	Ameoba		11381	11405
	Arcella			11407
	Centropyxis			11407
	Difflugia			11407
	Hydramoeba			12046
	RHIZOPODA	11263	11407	11559
			11849	11980
	Tritaxis			11558
	Trochammina			11558
6,04	ACTINOPODA			11219
6,06	Gregarina			12898
	Myxobolus			12996
6,07	CNIDOSPORIDIA			13129
6,09	CILIATA			11780
6,11	Aspidisca			12139
	Biggaria			11640
	Condylostoma			11329
	Entodiscus			11640
	EUCILLIATA	10977	11338	11373
			11383	11396
	Ichthyophthirius		13201	13412
	Madsenia			11640
	Paramaecium	11342	11357	11360
				12124
	Tetrahymena			11340
	TINTINNIDAE		11197	11352
	Trichodina		13032	13522
	Zoothamnium			11345
6,13	PORIFERA	11562	11765	11824
				13617
6,14	Leucosolenia			11458
6,15	Hymeniacidon			11521
	NONCALCAREA			11597
	Octavella			11882
	SPONGIIDAE	12329	12330	12331
	Suberites			11838
	Tedania			11527
6,16	COELENTERATA	11565	12801	13580
				13635
6,17	Bougainvillia	11181	11550	11714
	Cirrholovenia			11308
	Cordylophora		11996	11997
	Cuspidella			11308
	Cytaeis			11746
	Eugymnanthea			11251
	Gonionemus			11314
	Halammohydra			11637
	Hydra	11996	12041	12046
			12146	12174
	HYDROZOA	11250	11425	11520
		11683	11746	11811
				13601
	NEMOPSIS			11550
	Porpita			12676
	Solmundella			11202
	Spherotrochus			11675
	Tubularia		11689	11996
6,18	Aurellia			11297
	Chironex			11211
	Chiropsalmus			11211
	Chrysaora			12751
	Haliclystus			11178
	Lucernaria			11178
	Nanomia			11294
	Pelagia			11261
	SCYPHOZOA	11198	11275	11294
	Thaumatoscyphus			11178
6,19	Acropora			11751
	Anthopleura			11533
	ANTHOZOA	10131	10143	11419
		11607	11737	11738
	Ceratotrochus			11675
	Culicia			11675
	Flabellum			11675
	Fungia			11751
	Goniopora			11751
	Kionotrochus			11675
	Letepsammia			11675
	Phylctenactis			11535
	Pocillopora			11751
	Porites			11751
6,21	Bolinopsis			11252
	TENTACULATA			11209
6,24	Allostoma			11622
	Cylindrostoma			11622
	Dendrocoelopsis			12117
	Dendrocoelum			12194
	Dugesia	12054	12055	12123
		12124	12185	12194
	Multipeniata			12083
	Plagiostomum		11621	12083
	Polycelis		12056	12194
	Pseudostomum			11622
	TURBELLARIA		11565	11880
6,25	TREMATODES	12677	12880	13036
		13103	13199	13423
		13452	13556	13558
				13561
6,26	Folliorchis			13181
	Gyrodactylus	12632	13201	13293
				13522
	MONOGENA			13129
	Stichocotyle			12720
6,27	Amphimerus			13485
	Bilharzia		10218	13496
	BUCEPHALIDAE			12861
	Bucephalus			13180

	Distoma			12801
	Genitocotyla			12872
	Homalometron			12818
	Hysterolecitha			13032
	Isoparorchis			13201
	Lepocreadium			12872
	Pseudocanthostomus			12872
	Renicola			13127
6,30	Diphyllobothrium		13226	13280
	Ligula			13201
	Phyllobothrium			12743
	Triaenophorus			13368
6,31	Malacobdella			13066
	NEMERTEA			11979
6,33	Bolbella			11576
	Echinocephalus			11725
	Porrocaecum			12721
	Robbea			11660
	Synhimantus			13487
	Terranova		11474	12440
	Uncinaria			12860
6,35	Acanthogyrus			13278
	Polymorphus			13574
6,37	Asplachna		12028	12134
	Brachionus		12145	12963
	Lecane			12121
	ROTATORIA	11346	11565	12094
6,38	GASTROTRICHA		11565	11884
6,40	BRYOZOA	11565	11811	11899
				13607
6,42	Bowerbankia			11664
	Bugula			11481
	FLUSTRELLIDAE			11482
	Haplopoma			11624
	Plumatella			12155
6,43	BRACHIOPODA			13606
	Dayia			11968
	Glottidia			11970
6,44	PHORONIDEA			13624
6,45	CHAETOGNATHA	11206	11207	11227
			11283	13470
	Sagitta		11213	11301
	Spadella			11271
6,46	ANNELIDA		11811	13633
6,47	ARCHIANNELIDA			11565
6,48	POLYCHAETA	11424	11495	11565
		11729	11896	11905
				12188
6,49	Diopatra		11953	11991
	Eunice			11238
	EUNICIDAE			11495
	Glycera	11691	11692	11799
				11953

	Harmothoë			11568
	Hermodice		11473	11475
	Heteronereis			11506
	Lepidasthenia			11666
	Marphysa	11729	11926	11953
	Nephtys		11229	11736
	NEREIDAE			11965
	Nereis	11436	11437	11472
		11561	11661	11724
		11917	11921	11974
			11975	12003
	Onuphis			11953
	Paranereis			11472
6,50	Arenicola			11665
	ARENICOLIDAE			11645
	Cirriformia			11460
	Clymene			11953
	Dasychone			11664
	Filograna			11422
	Hydroides			11422
	Loimia			11953
	Mercierella			11422
	Nerinides			11243
	Pectinaria			11690
	Polydora			11555
	Scyphoproctus			11503
	Spiochaetopterus			11860
	SPIONIDAE			11555
	Spirorbis			11805
6,51	Aulodrilus			12030
	Branchiura			12012
	ENCHYTRAEIDAE		11770	11972
	Lampito		12176	12228
	LUMBRICIDAE			11770
	OLIGOCHAETA	10970	11797	12020
		12175	12207	13133
	Peloscolex			12030
	Tubifex			11715
6,52	ECHIURIDAE			11426
	GEPHYREA			11902
	Phascolion			11893
6,53	Piscicola		13155	13353
	Trachlobdella			13155
6,56	Limulus			11867
6,62	ACARINA	10250	12022	12095
	Limnesia			12197
6,63	LINGUATULIDA, TARDIGRADA, PYCNOGONIDA		11565	11900
	Parastygarctus			11564
	Sexanymphon			11720
6,66	INSECTA	10250	12152	13635
6,71	PLECOPTERA			11382
6,76	EPHEMEROPTERA		11382	12157
	Hexagenia			10932
6,79	CORIXIDAE			12031
	Notonecta			12025
	Ranatra		12025	12049

6,82 *Stenophylax* 12202
TRICHOPTERA 11382 12157

6,84 *DYTISCIDAE* 12162
ELMIDAE 12167
HALIPLIDAE 12162

6,87 *Anomiopsyllus* 11769
CHIRONOMIDAE 10970 12032 12033
Chironomus 12129
TENDIPEDIDAE 11397

6,91 *Acanthaster* 11553
Asterias 11439 11451 11464
11625 11778 11819
11866
ASTERIIDAE 11522 11816
ASTEROIDEA 11523 11540 11712
Henricia 11451 11625 11796
Leptasterias 11844
Patiria 11713

6,92 *Amphiura* 11463 11883
Ophiocomina 11847
Ophiopsila 11498
OPHIUROIDEA 11498 11515

6,93 *Anthocidaris* 11508
Arbacia 11707 11870
Asthenosoma 11530
Diadema 11541 11699
ECHINIDAE 11595
Echinocyamus 11754
Echinometra 11508
Echinus 11638 12107
Hemicentrotus 11674 11733 11752
Paracentrotus 11655
Parechinus 11593 11594
Psammechinus 11655 11754
Pseudoboletia 11578
Strongylocentrotus 11416 11640
11659 11674 11708
11870
Temnopleurus 11674

6,94 *Chiridota* 11489
Culcita 12577
Holothuria 11881
Leptosynapta 11489
INVERTEBRATES – Aquatic 10010 10079
10088 10092 10114
10143 10166 10222
10223 10243 10244
10245 10250 10283
10429 10512 10525
10704 10705 10706
10908 10928 10935
10945 10946 10965
10999 11001 11007
11043 11088 11137
11179 11180 11183
11184 11190 11194
11195 11210 11213
11214 11220 11221
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11240 11248 11249
11257 11262 11267
11278 11281 11282
11287 11299 11303
11305 11306 11310
11311 11316 11318
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11361 11364 11365
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11653 11722 11737
11738 11763 11768
11771 11772 11781
11794 11795 11806
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11858 11877 11891
11901 11904 11932
11954 11961 11971
11978 12006 12035
12040 12102 12103
12118 12119 12143
12157 12164 12166
12168 12169 12186
12187 12192 12195
11206 12416 12465
12466 12666 13174
13269 13332 13464
13555 13577 13629
13644 030me

6,98 *INVERTEBRATES – General* 10211
12229 13570 13571

7,00 *ALGAE – Gen.* 10010 10079 10114
10222 10223 10243
10244 10245 10250
10283 10362 10512
10525 10554 10704
10705 10706 10781
10908 10928 10945
10946 10965 10999
11001 11007 11043
11086 11088 11100
11137 11179 11183
11184 11185 11187
11190 11193 11194
11195 11200 11205
11210 11212 11216
11220 11221 11222
11223 11224 11231
11233 11234 11236
11239 11248 11249
11253 11254 11256
11257 11260 11266
11267 11268 11273
11276 11278 11280
11281 11284 11287
11295 11302 11303

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		11309	11310	11315
		11316	11317	11318
		11321	11323	11328
		11330	11331	11335
		11336	11337	11339
		11341	11347	11348
		11350	11354	11359
		11361	11365	11368
		11374	11379	11384
		11391	11392	11393
		11402	11404	11413
		11414	11415	11448
		11466	11476	11529
		11542	11602	11603
		11607	11618	11619
		11627	11806	11814
		11825	11826	11840
		11901	11915	11925
		11932	11941	11947
		11949	11981	12011
		12021	12089	12099
		12169	12171	12189
		13269	13464	13644
		030me	064me	085me
7,02	VOLVOCALES			12172
7,03	Carteria			11323
	Dunaliella	11265	11279	12018
	Polytomella			11386
	Sphaerella		12120	12121
7,04	Palmella			12121
7,06	Ankistrodesmus			12092
	Chlorella	10948	11349	11351
		11375	11383	11514
		11937	12039	12133
		12151	12161	12163
		12179	12183	12184
		12190	12191	12203
				12209
	CHLOROCOCCALES			12205
	Chlorococcum			11987
	Coelastrum			12121
	Hydrodictyon			12093
	Lagerheimia			10948
	Oocystis			12127
	Scenedesmus	11349	11375	11937
		11982	11987	11995
		12108	12156	12208
7,08	Blidingia			12090
	Capsosiphon			12090
	CYLINDROCAPSACEAE			12077
	Enteromorpha		11619	12090
	Percursaria			12090
	Schizomeris			12096
	Ulothrix		10948	12098
	Ulva		11633	11742
7,11	Acrosiphonia			11619
7,12	CHAETOPHORALES			12036

7,15	Zygnaema			12093
7,16	DESMIDIACEAE			12104
7,17	Caulerpa			11441
	Codium			11603
	Vaucheria			10948
	VAUCHERIACEAE			12087
7,18	CHARACEAE			11942
	CHARALES		12082	12106
	Nitella			11710
7,32	Hydrurus			12110
	Monochrysis			11265
	Prymnesium			13152
7,41	BACILLARIOPHYCEAE		10540	10550
		11233	11312	11313
		11327	11366	11370
		11394	11542	11609
		11839	11916	11920
		11943	11994	12005
		12076	12078	12079
		12088	12091	12109
				12165
7,42	Chaetoceras			12121
	Cyclotella			11354
	Melosira		11264	11354
	Skeletonema	11199	11265	11544
				11726
	Thalassiosira			11265
7,43	Fragilaria			11237
	Mastogloia			11608
	Navicula			11375
	Nitzschia		11323	11726
	Synedra			11354
7,52	Nephroselmis			11182
7,65	DINOFLAGELLATA	10122	11242	11275
7,66	Gymnodinium			11726
7,67	Heterocapsa			11264
7,70	Euglena	11349	11385	11398
		11400	11403	11406
		11410	12121	12158
	EUGLENINEAE			11334
7,71	PHAEOPHYCEAE	11588	11615	11800
				12008
7,72	Laminariocolax			11465
	Scytothamnus			11443
7,77	Laminaria	11461	11717	11937
	Macrocystis	11670	11812	11813
				11946
	Undaria		11497	12786
7,79	Dictyota			11783

7,80 Ascophyllum 11428 11619
Cystophora 11945
Fucus 11591 11619 11634
Pelvetia 11619
Sargassum 11432 11446 11822

7,81 RHODOPHYCEAE 11601 11800 11992 12008

7,82 Conchocelis 11835
Porphyra 11589 11619 11742 11835 11937 11983
Porphyridium 11697 11820

7,84 Lemanea 12099
Rhodochorton 11571

7,85 Gelidium 11668 11756 11757 11758

7,86 Clathromorphum 11519
Corallina 11619
Endocladia 11817
Gloiopeltis 11744
Lithothamnion 11519

7,87 Chondrus 11744
Gigartina 11619

7,88 Lomentaria 11444

7,89 Antithamnion 11440
Bostrychia 11952
Callithamnion 11619
Caloglossa 11952
Malaconema 11632
Murrayellopsis 12952
Polysiphonia 11549 11619

7,91 MYXOPHYCEAE 10931 11374 11408 11962 12007 12026 12073 12086 12132

7,95 Anabaena 11999 12126 12181
Anacystis 11963
Aphanizomenon 11999 12097 12138
Gloeotrichia 11999 13509
Nostoc 11999
Oscillatoria 11230 11999
Symploca 12177
Trichodesmium 11232

7,99 ALGAE – Misc. 10721 11344 11427 11430 11431 11438 11442 11600 11606 11654 11718 11766 11790 11827 11886 11894 11897 11923 11929 11930 11940 11980 11985 11988 12010 12014 12024 12034 12037 12061 12074 12113 12223 12388 12879

8,00 FUNGI, Gen. 10114 10244 10245 10250

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1907	Boulenger, G.A.	NE	10-13222
1912	Murray, J. & J. Hjort	NE	10-10081
1916	Boulenger, G.A.	NE	10-13223
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1918	Baranov, F.I.	Ci	10-13611
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1933	Hjort, J., G. Jahn & P. Ottestad	Ci	10-13611
1934	Dubrovskaia, N.V.	En	10-13148
1937	Thompson, W.F.	Ci	10-13611
1939	Graham, M.	Ci	10-13611
1939	Kawamura, H.	En	10-10270
1946	Blinov, L.K.	En	10-10818
1949	Berg, L.S.	En	10-13563
1950	Zemskii, V.A.	En	10-12620
1950	Zemskii, V.A.	En	10-12621
1951	Kamishilov, M.M.	En	10-12619
1952	McKee, J.E. & H.W. Wolf	NE	10-10845
1953	Bauer, O.N.	En	10-13145
1954	Aslanova, N.E.	En	10-12622
1954	Beklemishev, K.V.	En	10-11939
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1958	Higano, R.	En	10-10468

1958	Konstantinov, K.G. & M.N. Shcherbino	En	10-12454
1959	Arsen'ev, V.A.	En	10-12616
1959	Bezrukov, P.L. (Ed.)	En	10-10811
1959	Ivanov, U.A.	En	10-10819
1959	Litvin, V.M.	En	10-10474
1959	Mileikovskii, S.A.	En	10-11229
1959	Rishkov, U.G.	En	10-10477
1959	Volkov, V.G.	En	10-11172
1959	Zaitsev, Iu.P.	En	10-11189
1960	Rass, T.S.	En	10-12453
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1961	Grigorash, V.A.	En	10-11364
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10-13561	En	10-13562
10-13593	En	10-13594
10-13611	En	10-13612
10-13661	Re	10-13662

CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

VOLUME 10—PART 2—REFERENCES

10-20001 to 10-23632

GENERAL (OCEANOGRAPHY, LIMNOLOGY, AND FISHERIES)

Sokolov, O.A. (W. Van Campen, Transl.) (1963)C 10-20001 M
Honolulu, Hawaii, USFWS, 9 p.
On the requirements for a research submarine

Sokolov, O.A. (1962) 10-20002 M
Trud.okeanogr.Kom.Akad.Nauk SSSR, 14: 116-22
(On the requirements for a research submarine). Ru

Australia. CSIRO. Division of Fisheries and Oceanography (1965) 10-20003 M
Rep.Mar.Lab.C.S.I.R.O., (39):140 p.
F.R.V. DERWENT HUNTER. Scientific reports of cruises 1950-56

Itinerary, results and publications resulting from Cruise 1 (September-December, 1950) to Cruise 18 (August-December, 1955).

Hokkaido University. Faculty of Fisheries (1965) 10-20004 M
Data Rec.oceanogr.Obsns explor.Fish., (9):1-31
(The HOKUSEI MARU cruise 15 to the South Pacific Ocean adjacent to the Fiji Islands in October 1963 - January 1964). Ni

Specification of stations and fishing positions; items of observation and procedure at sea; data on temperature, salinity, computed dynamic depth, tuna long-line fishing and measurement of biological characters of fish caught.

Hokkaido University Faculty of Fisheries (1965) 10-20005 M
Data Rec.oceanogr.Obsns explor.Fish., (9):32-105
The OSHORO MARU cruise 7 to the Indian Ocean in November 1963 - February 1964. Ni

Specification of stations and fishing positions; items of observation and procedure at sea; data on temperature, salinity, computed dynamic depth, plankton collections, primary productivity and phytoplankton crops, tuna long-line fishing and measurement of biological characters of captured fish, and trawl fishing.

Hokkaido University Faculty of Fisheries (1965) 10-20006 M
Data Rec.oceanogr.Obsns explor.Fish., (9):106-27
The OSHORO MARU cruise 8 to the south of Cape Erimo, Hokkaido, on May 1964. Ni

Items of observation; time schedule of observations and samplings; data on temperature, chlorinity, phosphate and dissolved oxygen, carbohydrates, total phosphorus, ammonia and nitrites, suspended detritus and chlorophyll, plankton collections, marine bacteria, trawl fishing and fish and invertebrates caught.

Hokkaido University. Faculty of Fisheries (1965) 10-20007 M
Data Rec.oceanogr.Obsns explor.Fish., (9):128-219
(The HOKUSEI MARU cruise 16(1-4) to the southern Kurile waters and Okhotsk Sea in June-August 1964. Cruise 16(1 and 2) to the southern Kurile waters in June 1964. Cruise 16(3 and 4) to the Okhotsk Sea in July-August 1964). Ni

Specification of stations; items of observation and procedure at sea; data on temperature, salinity, computed dynamic depth, plankton collections; salmon gill-net set and measurement of biological characters of salmon.

Hokkaido University Faculty of Fisheries (1965) 10-20008 M
Data Rec.oceanogr.Obsns explor.Fish., (9):220-315
(The OSHORO MARU cruise 9 to the northern North Pacific, Bering and Chukchi Sea in June-August 1964). Ni

Specification of hydrographic observation; items of observations and procedure at sea; data on temperature, salinity and computed dynamic depth, plankton collections, salmon gill-net set and fishes caught, measurements of biological characters of salmon, and trawl fishing and fish caught.

Hokkaido University. Faculty of Fisheries (1965) 10-20009 M
Data Rec.oceanogr.Obsns explor.Fish., (9):316-30
(The OSHORO MARU cruise 10 to the sea area off Kitami, Hokkaido, on September 1964). Ni

Data on trawl fishing and fish and invertebrates caught, list of spp. collected.

Mokievskaia, V.V. & D.A. Smetanin (1962) 10-20010 M
Okeanologiia, 2(3):540-2
(The 'International Methodical Station' in the Pacific Ocean. The 10th Pacific Science Congress). Ru

Vinogradov, K.O. (1962) 10-20011 M
Dopov.Akad.Nauk ukr.SSR, (2):267-70
(The Black Sea Expedition of 1960 and 1961 on the vessel MIKLUKHO-MAKLAY of the Odessa Biological Station of the Academy of Sciences of the Ukrainian SSR). Uk

Smith, J.L.B. & M.M. Smith (1963)C 10-20012 M
Grahamstown, Rhodes University, Dept. of Ichthyology, 215 p.
The fishes of Seychelles

Hela, I. & T. Laevastu (1962)C 10-20013 M
London, Fishing News, 137 p.
Fisheries hydrography; how oceanography and meteorology can and do serve fisheries

Dangeard, L. & P. Giresse (1965) 10-20014 M
Cah.océanogr., 17(4):255-69
Photographie sous-marine et géologie (Sub-marine photography and geology)

ANON. (1965) 10-20015 M
Int.hydrogr.Rev., 42(1):7-13
New Japanese research ship TANSEI MARU

Gives characteristics of the ship, navigational equipment, research facilities.

Poulet, (1965) 10-20016 M
Int.hydrogr.Rev., 42(1):15-8
The hydrographic auxiliary vessels ASTROLABE and BOUSSOLE

Gougenheim, A. (1965) 10-20017 M
Int.hydrogr.Rev., 42(1):127-33
Oceanography and hydrography. Basic research and descriptive oceanography

Brief review on the recent expansion in oceanographical research, descriptive oceanography, possible cooperation of the hydrographic services and surveys.
Ci 10-20234.

Rogalla, E.H. (1965) 10-20018 M
Int.hydrogr.Rev., 42(1):135-67
On the results of North Sea research. Hydrographic investigations on board FRV ANTON DOHRN in summer 1959/60 and winter 1962/63

ICNAF (1964) 10-20019 M
Annu.Proc.int.Comm.Northw.Atlant.Fish., 14 (1963-1964):43 p.

Contains administrative report, financial statement, summaries of research by subareas; report of 14th annual meeting.

Kurihara, M. (1964)C 10-20020 M
5828.4 (10707)
Pneumatic breakwater (1)

En M. Kurihara, 1954.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Kurihara, M. (1964)C 10-20021 M
5828.4 (10708)
Pneumatic breakwater (2)

Co 10-20020. En M. Kurihara, 1955.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Kurihara, M. (1964)C 10-20022 M
5828.4 (10709)
Pneumatic breakwater (3). Field test at Ha-Jima

Co 10-20021. En M. Kurihara, 1956.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

UNESCO & FAO (1965) 10-20023 M
Int.Mar.Sci., 3(1):44 p.

Contains announcement and short reports of national committees for oceanographic research, oceanographic programs, international projects, meetings and training facilities, new research craft, institutions and periodicals, as well as activities of United Nations and other agencies.

Ishida, M. & N. Sano (1962) 10-20024 M
J.acoust.Soc.Japan, 18(2):56-75
(On approximate treatment of reflection of ultrasound from a group of small reflecting bodies in the sea and some experiments connected herewith). Ni En

Wood, E.J.F. (1965)C 10-20025 M
London, Chapman & Hall, 320 p.
Marine microbial ecology

Author discusses the results of his own research and that of others, and highlights problems still awaiting solution. Brings out intricate relationships of subject and its bearing on unravelling of marine ecosystems and thus on productivity in the sea. Contains: The marine environment; The micro-organisms; Aspects of productivity; Microbial processes; The effects of physical and chemical factors on micro-organisms; Pathological micro-organisms in hydrobiology; Eco-systems of the marine world; Methods in marine microbiology.

Symposium on sonar systems, University of Birmingham, 9th to 12th July 1962 (1963)C 10-20026 M
London, the British Institution of Radio Engineers, pag.var.
Proceedings of .....

Pr 62-003me.
Contains 10-20027 to 10-20029, 10-20098, 10-20105, 10-20267 to 10-20272, 10-20280, 10-20281, 10-20866, 10-21872 to 10-21874, 10-21876 to 10-21884, 10-22056.

Schulkin, B. & H.W. Marsh (1963)C 10-20027 M
In 10-20026, Pap.(2):8 p.
Absorption of sound in sea-water

Issued also as: J.Br.Instn Radio Engrs, 25(6):493-500.

Rudnick, P., V.C. Anderson & C.B.A. Becken (1963)C 10-20028 M
In 10-20026, Pap.(3):4 p.
Directional distribution of ambient sea noise

Issued also as: J.Br.Instn Radio Engrs, 25(5):441-4.

Gazey, B.K. (1963)C 10-20029 M
In 10-20026, Pap.(6):10 p.
Sea-bed echo amplitude fluctuations arising from ship motion

Issued also as: J.Br.Instn Radio Engrs, 26(2):125-34.

Zenkevich, L.A. (Ed.)(1964)C 10-20030 M
Moskva, Nauka, 91 p.
Zapasy morskikh rastenii i ikh ispol'zovanie
(Marine flora and its utilization)

BAgr. 29(3)19661.

ANON. (1961) 10-20031 M
Nauch.-tekh.Biull.PINRO, 1(15):5-21
Razvitie nauchno-promyslovykh issledovanii v severnom basseine (k 40-letiiu podpisaniia V.I. Leninym dekreta SNK RSFSR ob organizatsii Plovuchego Morskogo Instituta)
(Development of scientific industrial research in the northern basin. 40th anniversary of Lenin's signing the decree of the RSFSR Nat. Council establishing the Floating Marine Institute)

ANON. (1961) 10-20032 M
Okeanologiia, 1(1):178
Mezhpravitel'stvennaia konferentsiia po issledovaniiu okeanov, 1-ia, Daniia-Kopengagen, 1960, 11-16 iiulia
(First intergovernmental conference on the exploration of the oceans, Copenhagen, 11-16 July 1960)

ANON. (1961) 10-20033 M
Ryb.Khoz., (3):10-23
Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii (VNIRO), o nem
(The All-Union Research Institute of Sea Fishing and Oceanography (VNIRO))

Moiseev, P.A. (1961) 10-20034 M
Ryb.Khoz., (4):78-85
O rabote 5-go plenuma komissii po rybokhoziaistvennym issledovaniiam v zapadnoi chasti Tikhogo okeana. KNR-Pekin, 1960, 21-28 noiabria
(On the work of the fifth plenum of the research committee on the West Pacific fishing industry; Peking, 21-28 November 1960)

Dobrovol'skii, A.D. (1961) 10-20035 M
Okeanologiia, 1(1):171-2
Novyi ekspeditsionnyi korabl' (uchebno-nauchnoe sudno BATAISK). (1-i reis - 1960, 13-27 avgusta)
(The new expedition (training and scientific) ship BATAISK. First cruise, 13-27 August, 1960)

Zenkovich, V.P. & V.V. Longinov (1961) 10-20036 M
Okeanologiia, 1(2):343-7
Ob organizatsii mezhdunarodnoi komissii po izucheniiu dinamiki beregov i pribrezhnoi zony moria
(The setting up of an international committee to study coastal dynamics and the coastal zone)

Filiushkin, B.M. (1961) 10-20037 M
Okeanologiia, 1(2):354-5
Institut morskoi biologii v Rovine, Iugoslaviia
(The Institute of Marine Biology at Rovinj, Yugoslavia)

Carroz, J.E. & Dirección de Recursos Pesqueros y Explotación (1966) 10-20038 M
FAO Fish.tech.Pap.(Es), (58):23 p.
Establecimiento, estructura, funciones y actividades de organismos internacionales pesqueras 2. Comisión Interamericana del Atún Tropical (CIAT)
(Establishment, structure, functions and activities of international fisheries bodies. 2. Inter-American Tropical Tuna Commission (I-ATTC))

Es 10-10004.

South Africa. Department of Commerce and Industries, Division of Sea Fisheries (1963) 10-20039 M
Rep.Div.Fish.S.Afr., 31(1959-60):242 p.

Reports industrial activities of the division with regard to inshore (pilchard/maasbanker, rock lobster and others) and deep-sea (trawling, whaling) fisheries; Administration of harbours, legislation, aquarium, staff; Research especially on pilchard/maasbanker; Station lists of research vessels with tabulated hydrographical data, with illustrative charts.
SJH:sjh

IUGG (1963) 10-20040 M
Chron.U.G.G.I., (49):97-144

Includes information on Intergovernmental Oceanographic Commission (IOC) services and activities.
Ci 62-035me.

Inter-American Conference on Marine Sciences, Key Biscayne, Florida, November 8-10, 1962 (1963) 10-20041 M
Publ.nat.Acad.Sci.,Wash., (1088):42 p.
Report of the .....

Report on meeting with working group reports, resolutions and recommendations for marine research projects relating to Antarctic and S. Atlantic and S.E. Pacific Oceans.

Chuang, S.H. (1961)C 10-20042 M
Singapore, Muwu Shosa, 225 p.
On Malayan shores

Non-technical account of common marine animals and plants of Malayan shores for amateur naturalist. Based mainly upon author's observations in past ten years on shores of Malaya, Singapore, and neighbouring islands. Part 1. The seashore and the intertidal organism. Part 2. Systematic survey of the intertidal animals, includes a systematic presentation of 7 invertebrate phyla from the Porifera to the Echinodermata.

Favorite, F. & B.A. Morse (1963) 10-20043 M
Rep.int.N.Pacif.Fish.Comm., 1961:102-5
Oceanography

U.K. White Fish Authority (1963) 10-20044 M
Rep.White Fish Author., 1963:55 p.

Under headings: production, marketing and distribution, research and experiment, training, investigations; appendices give membership of advisory council, distribution of British vessels by age, length and port, and notes on rebuilding of fleets; accounts.

Lyman, J. (1963)C 10-20045 M
Washington, National Science Foundation, mimeo, 44 p.
Report of the United States participation in the International Indian Ocean Expedition

Outline of scientific programmes by disciplines and institutions.

IHB (1963) 10-20046 M
Int.hydrogr.Bull., (7):244-74

Contains notes on activities of the bureau and information on: charts, lights, tides and currents, work carried out and projected, new charts and new editions of charts.

NODC (1963) 10-20047 M
News Lett.nat.oceanogr.Data Cent., (7):16 p.

Contains announcements and short reports of meetings, working groups etc., cruise and project plans, publications, activities of institutes, scientists, and organizations, university activities, courses, fellowships.

Couceiro, J.H. (1963) 10-20048 M
Bol.Pesca, Lisboa, 15(79):21-36
Pesca em Angola. Elementos para a fundacão da casa dos pescadores, da escola de pesca e do seu museu, em Luanda
(Angola fisheries. Contribution to the foundation of the "casa dos pescadores" (Fishermens' organization), fisheries school and its museum in Luanda). Pr

Contains historic information on fishery activities and some recent statistics on fishermen, gear and catch.

Sanches, J.G. (1963) 10-20049 M
Bol.Pesca, Lisboa, 15(79):55-61
A Inhaca e a sua estaçáo de biologia marítima
(Inhaca and its marine biological station)

Short description of the laboratory and works carried out.

NODC (1963) 10-20050 M
News Lett.nat.oceanogr.Data Cent., (5):16 p.
Great Lakes issue

Contains announcements and short reports of meetings, working groups etc., cruise and project plans, publications, activities of institutes, scientists, and organizations, university activities, courses, fellowships.

NODC (1963) 10-20051 M
News Lett.nat.oceanogr.Data Cent., (8):16 p.

Contains announcements and short reports of meetings, working groups etc., cruise and project plans, publications, activities of institutes, scientists, and organizations, university activities, courses, fellowships.

Laban, A., J.-M. Pérès & J. Picard (1963) 10-20052 M
Bull.Inst.océanogr.Monaco, 60(1258):32 p.
La photographie sous-marine profonde et son exploitation scientifique
(Deep under-water photography and its scientific utilization). En Ru

Australia. CSIRO. Division of Fisheries and Oceanography (1963) 10-20053 M
Quart.Rep.west.Fish.Proj.C.S.I.R.O., March-May:13 p.

UNESCO (1963) 10-20054 M
Int.Mar.Sci., 1(2):34 p.

Contains announcement and short reports of national committees for oceanographic research, oceanographic programs, international projects, meetings and training facilities, new research craft, institutions and periodicals, as well as activities of United Nations and other agencies.

Coggeshall, R.W. (1963) 10-20055 M
Bull.Cent.Technol.Adm.Am.Univ., (8):86 p.
Coordination of federal oceanography

Historical sketch shows how coordination of federal oceanography has been organized. Describes TENOC - ten years' oceanographic program of National Academy of Science. Various activities of Senate and House of Representatives are shown. Also incl. activities of Interagency Committee on Oceanography and NODC, and oceanographic program of other countries. Documents the current history of the search for appropriate and effective means to coordinate federal oceanography.

IHB (1963) 10-20056 M
Int.hydrogr.Bull., (8):280-309

Contains notes on activities of the bureau and information on: charts, sailing directions, lights, tides and currents, work carried out and projected, new charts and new editions of charts.

Humphrey, G.F. (1963) 10-20057 M
Hemisphere, 7(4):8 p.
The international Indian Ocean expedition

Article about IIOE, special reference to Australian contribution.

Fraser, R. (Ed.)(1963) 10-20058 M
ICSU Rev.World Sci., 5(1):76 p.

Briefly describes the history of international enterprises in oceanography and fisheries research, governmental and non-governmental; lists the bodies at present concerned and describes their inter-relationships.

NODC (1963) 10-20059 M
News Lett.nat.oceanogr.Data Cent., (9):24 p.

Contains announcements and short reports of meetings, working groups etc., cruise and project plans, publications, activities of institutes, scientists, and organizations, university activities, courses, fellowships.

Blackburn, M. (1963)A 10-20060 M
SIO Ref., 63-22:20 p.
Scripps tuna oceanography research (STOR) program. Report for the year July 1, 1962 - June 30, 1963

CR 10-10137.

Velez, M.V. (1963) 10-20061 M
Fanal, 18(67):2-10
Nuevo rumbo para la pesquería peruana
(New trend for the Peruvian fisheries)

General article with references to research activities and institutions in the country.

Ropelewski, A. (1963) 10-20062 M
Rev.Pol.Acad.Sci., 8(2(30)):69-72
Sea fisheries laboratory, maritime station, sea fisheries institute

Description of the station, its history, activities, staff and facilities.

Australia. CSIRO. Division of Fisheries and Oceanography (1963) 10-20063 M
Oceanogr.Cruise Rep.C.S.I.R.O., (7):79 p.

Methods of sample collection and analysis, cruise tracks, data sheets, graphs and tables. Refers to physical and chemical measurements, primary production, pigments, phyto- and zoo-plankton.

Yudanov, I.G. (1963) 10-20064 M
Deep-Sea Res., 10(3):281-3
First voyage of the PINRO scientific and exploratory herring expedition to the N.W. Atlantic in summer 1960

En 62-04817.

Fedynskii, V.V. (1961) 10-20065 M
In 10-20445
Zadachi morskikh gravimetricheskikh ekspeditsii MGU 1954-1958
(Aims of the Moscow State University marine gravimetrical expeditions in 1954-1958)

Grande-Rivière, Quebec. Station de Biologie Marine (1963) 10-20066 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:209 p.

Contains general report of research carried out and other activities, list of staff, charts of oceanographic stations and reports of particular studies. Contains also report of librarian, on exchange service; list of periodicals received; notes on summer courses in general physiology of marine invertebrates and general marine biology; open days; list of publications.
Contains 10-20067, 10-20455, 10-20456, 10-20457, 10-20458, 10-20943, 10-20944, 10-21055, 10-21152, 10-21373, 10-22357 to 10-22361, 10-22339, 10-23549, 10-23550, 10-22840.

Drainville, G., M. Tiphane & P. Brunel (1963) 10-20067 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:133-46
Croisière océanographique dans le Fjord du Saguenay, 14-22 Juin 1962
(Oceanographic cruise in the Saguenay Fjord, 14-22 June 1962)

Edwards, R.L. (1963) 10-20068 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):55-9
Report on the new ALBATROSS IV

Description of the new American research vessel ALBATROSS IV.
Pr 61-348me.

Woods Hole. Marine Biological Laboratory (1963) 10-20069 M
Biol.Bull.,Woods Hole, 125(1):1-60
Sixty-fifth report, for the year 1962 - Seventy-fifth year

Trustees and executive committee, standing committees; act of incorporation, by-laws of corporation, report of the director; memorials, staff, investigators, fellows, students, fellowship, tabular view of attendance 1958-62, institutions represented, evening lectures, shorter scientific papers, members of corporation. Reports of the instruction committee on educational policy, librarian, treasurer.

McElheny, V.K. (1965) 10-20070 M
Science, 149(3687):957-8
Effects of the Indian Ocean Expedition

Tricker, R.A.R. (1964)C 10-20071 M
London, Mills & Boon Limited, 250 p.
Bores, breakers, waves and wakes. An introduction to the study of waves on water

Wiegel, R.L. (1964)BC 10-20072 M
London, Prentice-Hall, Inc., 532 p.
Oceanographical engineering

Comprehensive guide to engineers engaged in coastal and harbour engineering.

Idyll, C.P. (1964)BC 10-20073 M
New York, T.Y. Crowell Co., 396 p.
Abyss - The deep sea and the creatures that live in it

Hubbs, C.L. (1965) 10-20074 M
Trans.Amer.Fish.Soc., 94(2):197-8
Abyss - The deep sea and the creatures that live in it

Re 10-20073.

ANON. (1965) 10-20075 M
Oceanus, 11(3):13
ATLANTIS II circumnavigation

Note on global cruise being carried out by ATLANTIS II in order to continue with IIOE work and to co-operate with Japanese oceanographers in investigation of the Kuroshio current.

Treadwell, T.K. (1965) 10-20076 M
Oceanus, 11(3):15-7
U.S. oceanographers visit the Soviet Union

Note on oceanographic institutions, their shore facilities, instrumentation, and practical work carried out.

Hatherton, T., E.W. Dawson & F.C. Kinsky (1965) 10-20077 M
N.Z.J.Geol.Geophys., 8(2):164-79
Balleny Islands reconnaissance expedition, 1964

Incl. an account of oceanographic work carried out during the expedition providing information on bathymetry, benthic communities and pattern of distribution of marine bacteria in the Southern Ocean.

ANON. (1965) 10-20078 M
Aust.J.Sci., 28(1):21
Great Barrier Reef committee, Heron Island research station

Note on establishment, research facilities and objects of the station.

Katsuura, H., H. Akamatsu & T. Akiyama (1964) 10-20079 M
Oceanogr.Mag.,Tokyo, 16(1/2):125-36
Preliminary report of the Japanese expedition of deep-sea, the eighth cruise, 1964 (JEDS-8)

Results of hydrographic cast; water sampling; measurement of geothermal gradient; bottom core sampling; sampling of deep-water plankton; measurement of bottom current and γ-ray activity.

Yasui, M. (1964) 10-20080 M
Oceanogr.Mag.,Tokyo, 16(1/2):31-4
Newly-built M.R.V. SEIFU MARU

Drawings and characteristics of oceanographic research vessel.

Blacker, R.W. & P.M.J. Woodhead (1965) 10-20081 M
J.Mar.biol.Ass.U.K., 45(3):593-7
A towed underwater camera

Barham, E.G. (1963) 10-20082 M
Proc.int.Congr.Zool., 16(4):298-301
The deep-scattering layer as observed from the bathyscaph TRIESTE

Tentatively suggests, from observations in the San Diego Trough, that physonectid siphonophores cause the scattering layer.
Pr 62-078me.
Abstract only.

Hill, M.N. (Ed.)(1963)C 10-20083 M
New York, John Wiley & Sons, 963 p.
The sea. Ideas and observations on progress in the study of the seas. Volume 3. The earth beneath the sea. History

The last of three volumes consisting of reviews of new thoughts and ideas on the study of the earth beneath the sea. Incl. author and subject indexes.
Co 9-02064.
Contains 10-20099, 10-20540 to 10-20567, 10-20664, 10-20665, 10-20729, 10-20867, 10-21532, 10-23629.

IHB (1963) 10-20084 M
Int.hydrogr.Bull., (10):340-69

Contains notes on activities of the bureau and information on: charts, sailing directions, lights, tides and currents, work carried out and projected, new charts and new editions of charts.

IHB (1963) 10-20085 M
Int.hydrogr.Bull., (11):376-409

Contains notes on activities of the bureau and information on: charts, sailing directions, lights, tides and currents, work carried out and projected, new charts and new editions of charts. Digital recording of sea level.

Lucas, C.E. (1963) 10-20086 M
Proc.R.Instn Gt Br., 39(179):403-21
International collaboration in fisheries research

Ci 8-04003.

Australia. CSIRO. Division of Fisheries and Oceanography (1963) 10-20087 M
Six-mon.Rev.sth.pelag.Proj., (5):9 p.

ANON. (1963)A 10-20088 M
Inform.Bull.Planktol.Jap., (9):60-9
Ocean-going research ships in Japan. Ni

Scottish Marine Biological Association (1963) 10-20089 M
Rep.Scot.Mar.biol.Ass., (1962-1963):43 p.

ANON. (1963) 10-20090 M
Sci.et Pêche, (114):4
Programme de la THALASSA (prémier semestre 1963) Groenland - Islande - Rockall
(Programme of the THALASSA (1st semester 1963) Greenland - Iceland - Rockall)

Describes planned programme of investigation.

Marti, Yu.Yu. (Ed.)(B. Hershkovitz, Transl.)(1963)C 10-20091 M
Jerusalem, Israel Program for Scientific Translations, IPST Cat.No. 994, 370 p.
Soviet fisheries investigations in the northwest Atlantic

Collection of review articles by U.S.S.R. scientists conducting research in the ICNAF area. Attempts to help scientists of all countries working in the rational exploitation of fish stocks and presents a plan for joint investigation in fisheries.
En 8-06015.
Contains 10-20091, 10-20632 to 10-20638, 10-21000 to 10-21003, 10-21538, 10-21539, 10-21955, 10-22548 to 10-22561.

Woods Hole Oceanographic Institution (1963) 10-20092 M
J.Mar.biol.Ass.India, 5(1):133-6
Marine biological and oceanographic institutions of the world. 7. The Woods Hole Oceanographic Institution, Woods Hole, Mass., U.S.A.

Note on work of the institution, especially contribution to the International Indian Ocean Expedition.

Aubert, M. (1965)BC 10-20093 M
Paris, Presses Universitaires de France, 212 p.
Cultiver l'océan
(On cultivating the sea)

Hedgpeth, J.W. (1965) 10-20094 M
Science, 149(3690):1364
On cultivating the sea

Re 10-20093.

Chapman, W.M. (1962)C 10-20095 M
ICSU/SCOR, WPFO (62-5), mimeo, 92 p.
Comments on fishery oceanography - Vol. 3. Report of Bergen and Paris meetings and terminal comments

Co 8-01122.

International Congress of Zoology, Washington, 20-27 August 1963 (1963) 10-20096 MF
Proc.int.Congr.Zool., 16:133 p.
Program

No 61-460me.

O.M.A. (1963) 10-20097 MF
WMO Bull., 12(4):204-7
Research in tropical meteorology

Outlines work in progress and notes that there are no research institutes for tropical meteorology in Africa and South America.

Macpherson, J.D. (1963)C 10-20098 MG
In 10-20026, Pap.(7):5 p.
The effect of ice on long range underwater sound propagation

Issued also as: J.Br.Instn Radio Engrs, 26(4):293-7.

Edgerton, H.E. (1963)C 10-20099 MG
In 10-20083:473-9
Underwater photography

Camera details, cables and winches for cameras.

PSA (1963) 10-20100 MG
Inform.Bull.Pacif.Sci.Ass., 15(4):12 p.

Lists members and notes a proposed publication.

Japanese Fisheries Resource Conservation Association (1964)C 10-20101 MF
Tokyo, 24 p.
Major activities of FY 1963

Describes structure and objectives of this body, founded in 1963. Gives account of 1st year's work. Lists publications issued and their series, officers and staff of the association.

ICSU (1965) 10-20102 MF
Yearb.int.Coun.sci.Un., 1965:138 p.

Contains calendar of events for 1965, lists of members of bureau, executive board, staff, national and scientific members, members of joint commissions, social committees and executive bodies of permanent services; statutes, by-laws and rules of council and dependent bodies; details of affiliated unions and associations and their officers; (UNESCO, WMO, IAEA); addresses of other pertinent international organizations; treasurer's report and financial statement (as separate supplement to yearbook); index.
FiB:sjh

FAO/UN (1964) 10-20103 MF
Rep.FAO/EPTA, (1937):24 p.
Group fellowship study tour on fishery biology and oceanography in the U.S.S.R. 10 August - 23 September 1964. Report

Report on FAO project carried out under UN Expanded Technical Assistance Programme. Contains purpose of the study tour, operation, lists lecturers and lectures. Incl. speeches by A.S. Bogdanov, director, VNIRO and by R.I. Jackson, director, Fisheries Division, FAO.
Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 59).

FAO/UN (1965) 10-20104 MF
Rep.FAO/EPTA, (1937-II):222 p.
Group fellowship study tour on fisheries biology and oceanography in the Union of Soviet Socialist Republics, 10 August - 23 September 1964. Lectures

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Text of lectures presented at the study tour. Contains: Main lines in the fisheries research in the USSR, by P.A. Moiseev; Methods and organization of operative perspective fish scouting services, by J.J. Marty; Modern methods of scientific investigation in fishery oceanography, by G.K. Izhevski and A.A. Elizarov; Biological foundations of reproduction of fish stocks, by N.I. Kozhin; The present state and perspectives for the development of the world fisheries, by P.A. Moiseev; Review of the fishing industry of the USSR; Methods of direct calculation of fish concentrations by means of hydro-acoustic apparatus, by M.D. Truskanov and M.N. Scherbino; The behaviour pattern of fish as a basis for application and designing of fishing gear, by B.P. Manteyfel and D.V. Rodakov; Present methods of fisheries hydrographic scientific investigations, by A.P. Alekseev and M.M. Adrov; The application of hydrobiological research in sea fisheries, by L.G. Vinogradov; Recent progress in Soviet ichthyology, by G.V. Nikolski; Acclimatization of fishes and invertebrates in USSR, by A.F. Karpevich; Fish population dynamics and regulation of fisheries, by T.F. Dementjeva; Methods of chemical treatment of lakes and the renewal of their ichthyofauna, by E.V. Burmakin.
Co 10-20103.
Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 59-II).

Weston, D.E. (1963)C 10-20105 MF
In 10-20026, Pap.(1):9 p.
Propagation of sound in shallow water

Issued also as: J.Br.Instn Radio Engrs, 26(4):329-37.

Christensen, T. (1964)C 10-20106 MF
In 10-21031:59-64
The gross classification of algae

BAgr. 29(3)19631.

van den Hoek, C. (1964)C 10-20107 MF
In 10-21031:31-58
Criteria and procedures in present-day algal taxonomy

BAgr. 29(3)19645.

Grosvenor, M.B. (Ed.)(1965)C 10-20108 MF
Washington, National Geographic Society, 366 p.
Wondrous world of fishes

Fichter, G.S. & P. Francis (1965)C 10-20109 MF
New York, Golden Press, 160 p.
A guide to fresh and salt-water fishing

Brandt, A. (1964)C 10-20110 MF
London, Fishing News (Books), 191 p.
Fish catching methods of the world

Berdichevskii, L.S. (1961) 10-20111 MF
Rybovod.i Rybolov., (3):25-6
Vsesoiuznoe soveshchanie po rybnomu khoziaistvu. Leningrad, 1958, 24-30 noiabria
(The All-Union conference on fisheries, Leningrad, 24-30 November, 1958)

Evonuk, E. (1964) 10-20112 MF
Fed.Proc., 23(6):1193-8
Facilities for the study of arctic and subarctic biology

Komissiia po Rybokhoziaistvennomu Issledovaniiu Zapadnoi Chasti Tikhogo Okeana. Postoiannyi Sekretariat (1961) 10-20113 MF
Mater.Plen.Kom.rybokhoz.Issled.zapad.Chasti tikh.Okeana, 6:69 p.
(Proceedings of the sixth meeting of the Commission for Fisheries Investigation of the Western Pacific - in 5 languages).
Ch Korean Mong Ru Vi

Contains brief description of the meeting; address delivered by the president; reports of activities of the national sections of the Commission; summary and survey of scientific lectures; financial report; recommendations for the cooperation in the fields of fisheries, oceanology and limnology.
Co 10-20114.

Komissiia po Rybokhoziaistvennomu Issledovaniiu Zapadnoi Chasti Tikhogo Okeana. Postoiannyi Sekretariat (1961) 10-20114 MF
Mater.Plen.Kom.rybokhoz.Issled.zapad.Chasti tikh.Okeana, 5:90 p.
(Proceedings of the fifth meeting of the Commission for Fisheries Investigation of the Western Pacific - in 5 languages).
Ch Korean Mong Ru Vi

Contains short account of meeting; address delivered by the president; reports of activities of the national sections of the Commission (USSR, Vietnam, Chinese People's Republic, Korea, Mongolia); summary and survey of scientific lectures; financial report; resolutions and recommendations for the cooperation in the fields of fisheries, oceanology and limnology. Projects of work.
Co 8-02030.

East African Common Services Organization (1963) 10-20115 MF
Rep.E.Afr.common.Serv.Org., 1962:98 p.

Incl. reports on E.A. Freshwater Fisheries Research Organization and E.A. Marine Fisheries Research Organization.

IUGG (1963) 10-20116 MF
Chron.U.G.G.I., (50):145-204

Contains notes on WMO warning service for seismic sea waves; the IIOE program; U.S. expedition "Bonacca" (R/V SPENCER F. BAIRD) in the eastern, north and central Pacific.
Ci 61-168me, Re 61-411me, Re 368me.

Mansueti, R.J. (1963) 10-20117 MF
Quart.Rev.Biol., 38(1):98-9
Fish as food. Volume 1. Production, biochemistry, and microbiology

Re 61-11933.

INPFC (1963) 10-20118 MF
Rep.int.N.Pacif.Fish.Comm., 1961:127 p.

Report of annual meeting, with list of participants and agenda; administrative report; reports of research on N. Pacific oceanography and on *Oncorhynchus* and *Paralithodes* spp. by Canada, United States and Japan in 1961.
Re 61-127me.
Includes 10-20043, 10-22278, 10-22794 to 10-22800.

France. Conseil Supérieur de la Pêche (1963) 10-20119 MF
Bull.Cons.sup.Pêche, (52):104 p.

Regular quarterly bulletin reporting the activities of the council including verbal proceedings of meeting in March 1962; technical notes on Petromyzon marinus in rivers bordering the Channel; official communications concerning such matters as pollution, policing, and control of fishing; jurisprudence; service conditions; miscellaneous.
FiB:glk

U.K. Council for Nature (1963) 10-20120 MF
News for Nat., 5(1):16 p.

Contains notes on: a) request by A. Bourne for records and small specimens of Cephalopoda off coasts of Britain; b) M.P. Harris' collection of information on food of the herring gull; c) A. Bourne's desire for sighting records of Cetacea in British waters as basis for study of movements; d) B. Seddon's work as organiser of the lake flora survey of Wales.

Harder, W. (1964) 10-20121 MF
Handb.Binnenfisch.Mitteleurop., 2A(1):308 p.
Anatomie der Fische. Textteil
(The anatomy of fishes. Text)

General taxonomy and classification, body shape of fishes, structural elements of organs, cells and tissues, skeleton, muscular system, body-cavity, alimentary canal, urinary-and sex organs, blood rotation, organs of inner secretion, respiratory organs, organs of sense, nervous system, body cover.

Harder, W. (1964) 10-20122 MF
Handb.Binnenfisch.Mitteleurop., 2A(2):96 p.
Anatomie der Fische. Abbildungsteil
(The anatomy of fishes. Tables)

Contains 266 illustrations and 19 tables with explanation texts.
Co 10-20121.

Bartz, F. (1964)BC 10-20123 MF
Wiesbaden, F. Steiner Verlag GmbH, 461 p.
Die grossen Fischereiräume der Welt. Versuche einer regionalen Darstellung der Fischereiwirtschaft der Erde. Bd.1. Atlantisches Europa und Mittelmeer
(The vast fishery areas of the world; an attempt of a regional description of the world fisheries. Vol. 1. The Atlantic Europe and the Mediterranean Sea)

Huntsman, A.G. (1963) 10-20124 MF
Proc.int.Congr.Zool., 16(2):28
Animal migration

Pr 62-078me.
Abstract only.

Bourrelly, P. (1963) 10-20125 MF
Phycologia, 3(2):107-8
L'algologie au laboratoire de cryptogamie du Muséum National d'Histoire Naturelle de Paris
(Algology in the cryptogamic laboratory of the National Museum of Natural History in Paris)

Describes the equipment, organization and current work of the laboratory and lists the personnel concerned.

FiB:cmhh

Australia. CSIRO (1963) 10-20126 MF
Rep.sci.Res.Org.,Canberra, 15:162 p.

Contains summaries of advances in various research fields, lists of staff, committees and of publications of divisions, incl. that of fisheries and oceanography.

ANON. (1963) 10-20127 MF
Aqua, (3):5-10
Sixth international water supply congress, Stockholm, 15-19 June, 1964. Provisional programme
Sixième congrès international des distributions d'eau, Stockholm, 15-19 juin, 1964. Programme provisoire

Ci 8-035me.

France. Conseil Supérieur de la Pêche (1963) 10-20128 MF
Bull.Cons.sup.Pêche, (53):100 p.

Regular quarterly bulletin reporting the activities of the council; technical notes; official communications concerning such matters as pollution, policing, and control of fishing; service conditions; miscellaneous.
Contains: 10-20842, 10-23375, 10-23376.

New South Wales, Parliament (1963) 10-20129 MF
Rep.Secy Fish.N.S.W., (1962):15 p.

Summary, development (brackish, freshwater pond farming, eels, pipis tuna, prawns), conservation (I. Macqarie, flathead, school shark, trout angling and hatchery, inland waters). Review of production by fisheries species and types disposal, climatic conditions, marketing, condemnations, oyster farming, finances of department; tables and statistics for year ending 30th June, 1962.

Fisheries Development Corporation of South Africa (1963) 10-20130 MF
Rep.Fish.Developm.Corp.S.Afr., 18, Oct.1,1961 to Sept. 30, 1962:8 p.

State of industry; activities of the corporation; accounts; directorate and staff. In En and Af.

Meschkat, A. & M.H. Rambaud (1963)C 10-20131 MF
Accra, Ghana, 177 p., mimeo
Repertoire des institutions de pêche en Afrique
(List of fisheries institutions in Africa)

Gives data on fisheries administration, installations, equipment, activities and publications of research institutions in 46 African countries.

Scotland. Department of Agriculture and Fisheries (1963) 10-20132 MF
Fish.Scot., (1962):126 p.

Means of capture and persons engaged, herring, white fish, shell fish. Outer Hebrides fisheries training scheme, by-products, meteorology, gun firing, bombing and other ranges, and dumping. Marine superintendence, salmon fisheries. Appendices - Herring: distribution and disposal of landings, landings by area, methods of capture. White fish: quantity and average price of demersal fish by species, fishing regions, landings by methods, landings by districts, foreign landings. Salmon fisheries: annual close times, particulars of catch, report of inspector of salmon fisheries. Fisheries research, report of director of fisheries research. Scottish Marine Biological Association. Construction and improvement of harbours. Fisheries administration.

Chapman, V.J. (1964)BC 10-20133 MF
London, Oxford, Pergamon Press, 235 p.
Coastal vegetation

Worthington, E.B. (1965) 10-20134 MF
Nature, Lond., 208(5007):223-6
The international biological programme

Discusses history, principles, divisions of the programme, organization of IBP.

Kipper, Z. & Gofman (1961) 10-20135 MF
Rybovod.i Rybolov., (6):28-30
Rybopod'emnik na Volzhskoi GES imeni 22-go s'ezda KPSS
(The twenty-second CPSU Congress commemoration fish-lift at the Volga hydroelectric station)

Axelrod, H.R. (1964)C 10-20136 F
Greenwich, Conn., Fawcett Publications, 112 p.
Axelrod's tropical fish book; photos and descriptions of over 180 aquarium fishes

Hills, E.S. (1965) 10-20137 F
Aust.J.Sci., 27(10):280-2
The international hydrological decade

Need for, and main objectives of, international hydrological decade; Australian participation in the programme.

ANON. (1961) 10-20138 F
Ryb.Khoz., (3):85
Vsesoiuznoe tekhnicheskoe soveshchanie po rassmotreniiu setki tipov promyslovykh sudov dlia vnutrennikh vodoemov, Leningrad, 1960, konets oktiabria
(All-Union technical conference to examine the range of fishing vessels for inland waters, Leningrad, late October 1960)

Feltner, G. (1962) 10-20139 F
Rep.Colo.Game Dep., (1961):65 p.
A look back - a 65-year history of the Colorado Game and Fish Department

WR (109):8.

Great Lakes Institute (1963) 10-20140 F
Rep.Gt Lakes Inst.Univ.Toronto, 1962:79 p.

Lists members of Great Lakes Institute council, working group, working committee and staff. Describes co-operation and liaison with other bodies. Summarizes cruises and observations. Explains their system of data processing. Lists publications. Contains progress reports on Ontario fish, fish hybrids, plankton, benthos, water analysis, sedimentation and meteorological studies, etc. Restricted report.

South African Council for Scientific and Industrial Research. National Institute for Water Research (1963) 10-20141 F
C.S.I.R.spec.Rep., (W20):51 p.
Report of the director for 1961

This present review of the institute's research activities deals mainly with the biological, bacteriological and chemical aspects of surface waters in the Republic of South Africa. Biological, chemical and engineering aspects of sewage and industrial effluents research is also reported upon, and a final section devoted to the results of investigations leading to the development of and improvement in analytical techniques.

South African Council for Scientific and Industrial Research. National Institute for Water Research (1963) 10-20142 F
C.S.I.R.spec.Rep., (WAT 27):76 p.
Report of the director for 1962

Presents review of projects dealing with hydrobiology of polluted waters, bacteriology of polluted waters, chemistry and biochemistry of polluted waters, water purification, physical oceanography, sewage and sanitation, the utilization of municipal wastes, arid zone surveys.

Seeley, C.M., R.C. Tharatt & R.L. Johnson (1963) 10-20143 F
Calif.Fish Game, 49(3):183-90
California inland angling surveys for 1959 and 1960

A report based primarily on postal-card questionnaires: methods, results, catch, effort etc.

Evans, W.A. (1963) 10-20144 F
Calif.Fish Game, 49(3):217
A guide to the study of fresh-water biology

Re 10-10243.

Mellanby, H. (1963)C 10-20145 F
London, Methuen, 308 p.
Animal life in fresh water: a guide to fresh-water invertebrates

New edition of well-known book.

FBA/UK (1963) 10-20146 F
Rep.Freshw.biol.Ass., (31):97 p.

Officers, Council, Committees and staff of the FBA; report of the Council and of director on research activities; list of publications; contains list of limnological papers published in the British isles in 1962 arranged by subjects and, within these, by authors. List of members and addresses. Financial accounts.

British Ichthyological Society (1963) 10-20147 F
Brit.ichthyol.J., 11(3):16 p.

Notes on membership and society activities, review of books, short articles on aquarium keeping, fishing etc.

Batisse, M. (1963) 10-20148 F
J.Hydrol., 1(2):166-76
Le programme de recherches á long-terme de l'UNESCO dans le domaine de l'hydrologie scientifique
(Long-term research programme of UNESCO in the field of scientific hydrology)

Erichsen Jones, J.R. (1964)BC 10-20149 F
Washington, Butterworth, Inc., 203 p.
Fish and river pollution

Mendis, A.S. & C.H. Fernando 10-20150 F
(1962)
Bull.Fish.Res.Sta., Colombo, (12):160p.
A guide to the freshwater fauna of Ceylon

Azovskii Nauchno-Issledovatel'skii Institut Rybnogo Khoziaistva (1961)BC 10-20151 F
Rostov, SNKh., 152 p.
Sbornik annotatsii rabot 1960
(Collected titles of 1960 research projects)

Contains 10-20654, 10-20655, 10-20656, 10-20741, 10-21021, 10-21022, 10-21073, 10-21074, 10-21193 to 10-21196, 10-21667, 10-21668, 10-21828, 10-22010, 10-22665 to 10-22674, 10-22946 to 10-22967, 10-23003, 10-23456 to 10-23471.

Macfadyen, A. & P.J. Newbould 10-20152 G
Eds.)(1964)C
Oxford, Blackwell Scientific Publications, 244 p.
British ecological society jubilee symposium, London, 28-30 March 1963. A supplement to Journal of Ecology volume 52 and Journal of Animal Ecology volume 33

Contains 10-20890, 10-22735, 10-23616, 10-23617.

Trainer, D.O. (Ed.)(1963) 10-20153 G
News Lett.Wildl.Dis.Ass., (34):14 p.

Contains misc. notes on meetings, various activities, new laboratories, fellowships, membership, disease, publications in this field.

Germany. Federal Republic of. 10-20154 G
Bundesforschunganstalt für Fischerei in Hamburg (1963)
Inform.Fischw., 10(2):43-84

Contains notes and extracts on scientific, technical and economical discoveries, developments and practices in fisheries in Germany and other countries.

Malone, T.F. (1965) 10-20155 G
WMO Bull., 14(3):154-6
IUGG committee on atmospheric sciences, report of first meeting, Geneva, 1965

ANON. (1963) 10-20156 G
Geotimes, 8(3):9
The IGY and 13th IUGG

PHYSICAL OCEANOGRAPHY AND LIMNOLOGY

Marino, L.B. (1962) 10-20157 M
Arch.Oceanogr.Limnol., Venezia, 12(3):267-74
La determinazione del fosforo nei sedimenti adriatici
(The determination of phosphorus in the sediments of the Adriatic Sea). It
En

McNulty, K.J. (1961) 10-20158 M
Bull.Mar.Sci.Gulf Caribb., 11(3):394-447
Ecological effects of sewage pollution in Biscayne Bay, Florida: sediments and the distribution of benthic and fouling macro-organisms

Northrop, J. & R.W. Raitt (1963) 10-20159 M
Bull.seismol.Soc.Amer., 53(3):577-83
Seaquakes in the Flores Sea

Issued also as: Coll.Repr.int.Indian Oc. Exped., 1(54), and Contr.Scripps Instn Oceangr., 33(1963).

Sorokin, Y.I. (1962) 10-20160 M
Mikrobiol., Moskva, 31(3):402-10
(Experimental study of bacterial sulphate reduction in the Black Sea using S^{35}).
Ru

Tabata, S. et al. (1962) 10-20161 M
Manuscr.Rep.Ser.oceanogr.limnol.Fish.Res. Bd Can., (125):187 p.
Oceanographic data record, Ocean weather station P, September 12, 1961 to January 21, 1962

Stefani, R. & M.T. Falqui (1963) 10-20162 M
Riv.Idrobiol., 2(2/3):237-260
Il chimismo delle acque di Salina: i cicli dell'azoto e dello zolfo nelle saline di Cagliari
(The chemical conditions in the salt ponds of Cagliari with special reference to the N and S cycles). It En

Discussion on the results of the chemical analyses.

Timofeev, V.T. (1962) 10-20163 M
Okeanologiia, 2(2):365-7
(On the problem of the water exchange between the Arctic Basin and the Atlantic Ocean). Ru

Timofeev, V.T. (1962) 10-20164 M
Okeanologiia, 2(2):219-25
(The influence of the deep Atlantic waters upon the formative processes and ice melting in the Kara and Laptev seas). Ru

Soliankin, E.B. (1962) 10-20165 M
Okeanologiia, 2(2):238-50
(The vapour turnover in the Black Sea). Ru

Skorniakova, N.S., P.F. Androoschenko & L.S. Fomina (1962) 10-20166 M
Okeanologiia, 2(2):264-77
(The chemical composition of the ferromanganese concretions in the Pacific Ocean). Ru

Skopintsev, B.A. & E.V. Smirnov (1962) 10-20167 M
Okeanologiia, 2(3):419-34
(The distribution of hydrogen sulphide in the Black Sea during the autumn of 1960). Ru

Sisoev, N.N. (1962) 10-20168 M
Okeanologiia, 2(2):353-4
(On the measurements of currents by applying the differentiation method). Ru

Shkudova, G.J. (1962) 10-20169 M
Okeanologiia, 2(2):210-8
(The position of the motionless level in the northern sector of the Atlantic Ocean). Ru

Taylor, J.E. & R. Howerton (1962) 10-20170 M
Limnol.& Oceanogr., 7(3):393-5
Instrument for measuring the forward scattering coefficient of sea water

Stewart, R.W. & H.L. Grant (1962) 10-20171 M
J.geophys.Res., 67(8):3177-80
Determination of the rate of dissipation of turbulent energy near the sea surface in the presence of waves

Slowey, J.F., L.M. Jeffrey & D.M. Hood (1962) 10-20172 M
Geochim.et cosmoch.Acta, 26(6):607-16
The fatty-acid content of ocean water

Walden, H. (1962) 10-20173 M
Dtsch.hydrogr.Z., 14(6):239-46
The high complex wind sea near the North Atlantic weather ship K on December 6, 1959

Tabata, T. (1965)C 10-20174 M
5828.4 (11076)
Studies of the mechanical properties of sea ice. 2. Measurement of elastic modulus by the lateral vibration method

En 61-04108.
Available from the National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Tabata, T. (1965)C 10-20175 M
5828.4 (11067)
Studies of the mechanical properties of sea ice. 3. Measurement of elastic modulus by the elastic vibration method

En Tabata, T., 1959. Co 10-20174.
Available from the National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Tabata, T. (1965)C 10-20176 M
5828.4 (11075)
Studies of the mechanical properties of sea ice. 4

En Tabata, T., 1959. Co 10-20175.
Available from the National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Tabata, T. (1965) 10-20177 M
5828.4 (11071)
Studies of the mechanical properties of sea ice. 5

En Tabata, T., 1960. Co 10-20176.
Available from the National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Wakamo, C.L. & R.C. Fitzpatrick (1962) 10-20178 M
Mar.Sci.Instrument., 1:8-20
Instrument for the measurement of hydrodynamic flow noise

Wolf, A.A. & J.H. Dietz (1962) 10-20179 M
Mar.Sci.Instrument., 1:347-54
An adaptive correlator for underwater measurements

Zhivago, A.V., A.P. Lisitsin & G.B. Udintsev (1962) 10-20180 M
Okeanologiia, 2(3):469-88
(The problems of marine geology and geomorphology. The 10th Pacific Science Congress). Ru

No 60-248me.

NAS (US) Committee on Polar Research (1963)C 10-20181 M
Washington, 32 p.
Science in the Arctic Ocean basin. A report by the Committee on Polar Research. Present status of United States biological and physical research in this region

Nelepo, B.A. (1962) 10-20182 M
Okeanologiia, 2(3):457-63
(The problems of radioactivity. The 10th Pacific Science Congress). Ru

Mokievskaia, V.V. & D.A. Smetanin (1962) 10-20183 M
Okeanologiia, 2(3):464-8
(Chemical investigations in the Pacific Ocean. The 10th Pacific Science Congress). Ru

Kuzmin, V.I. (1962) 10-20184 M
Okeanologiia, 2(2):257-9
(On some relationships regarding the spectral theory of sea waves). Ru

Koteff, C. & J.E. Cotton (1962) 10-20185 M
Science, 137(3523):34
Preliminary results of recent deep drilling on Cape Cod, Massachusetts

Mamaev, O.I. (1962) 10-20186 M
Okeanologiia, 2(2):193-204
(The T, S analysis of the moving water masses in the ocean restricted in the vertical direction). Ru

Salenius, A. (1962)A 10-20187 M
Mar.Sci.Instrument., 1:31-8
Effects of the spectral composition of random thermal variations on phase and amplitude fluctuations of a sound wave propagating in the sea

Lippa, E.J.R. (1965) 10-20188 M
J.Fish.Res.Bd Can., 22(5):1311-2
Unusual contamination of groundfish caught in northern Hecate Strait

Kotlarić, S. (1965) 10-20189 M
Int.hydrogr.Rev., 42(2):7-11
An addition to the discussion on uniformity in charts and hydrographic documents and a reform of the repertory of technical resolutions

Sarkisian, A.S. (1962) 10-20190 M
Okeanologiia, 2(3):393-409
(On the dynamics of the origin of wind currents in the baroclinic ocean). Ru

Mamaeva, R.B. (1962) 10-20191 M
Okeanologiia, 2(3):554-60
(On the method for the calculation of energy characteristics of the wave pattern). Ru

Metcalf, W.G., A.D. Voorhis & M.C. Stalcup (1962) 10-20192 M
J.geophys.Res., 67(6):2499-508
The Atlantic equatorial undercurrent

Popov, E.I. (1962) 10-20193 M
Izv.Akad.Nauk SSSR(geofiz.), (2):203-9
(The methods of processing the recordings of marine gravity meters and their accuracy). Ru

Liubomirova, K.S. (1962) 10-20194 M
Izv.Akad.Nauk SSSR(geofiz.), (5):693-9
(Some peculiarities of the attenuation of solar radiation on ice thickness). Ru

Macpherson, J.D. (1962) 10-20195 M
Bull.seismol.Soc.Amer., 52(3):693
A new interpretation of seismic refraction profiles obtained in the Hartlen Point region of the Scotian shelf

Lakshman, S.V.J. & P. Tiruvenganna Rao (1962) 10-20196 M
J.sci.industr.Res.(B), 21(4):174-6
Quantitative spectrochemical analysis of lead in ocean bed sediments

La Fond, E.C. (1962) 10-20197 M
Mar.Sci.Instrument., 1:137-55
Internal waves and their measurement

Koshimizu, N. (1962) 10-20198 M
J.oceanogr.Soc.Japan, 18(1):26-8
The study of chlorinity determinations. 3. The range of the instrumental errors of Knudsen's burette and pipette and the simplified method of the calculation of the correction for both errors

CR 8-05050.

McAllister, C.D. (1962) 10-20199 M
Manuscr.Rep.Ser.oceanogr.limnol.Fish.Res.Bd Can., (126):14 p.
Data record. Photosynthesis and clorophyll A measurements at ocean weather station P. July 1959 to November 1961

Saur, J.F.T. & L.E. Eber (Comp.) (1962) 10-20200 M
Circ.U.S.Fish Wildl.Serv., (134)
Monthly mean charts, sea surface temperature, North Pacific Ocean

Reid, J.L. Jr. & R.A. Schwartzlose (1962) 10-20201 M
J.geophys.Res., 67(6):2491-8
Direct measurements of the Davidson Current off central California

Prahm, G. (1962) 10-20202 M
Dtsch.hydrogr.Z., 14(6):217-39
The observations on light vessel S2. A contribution to the hydrography of the area between German Bight and the southwestern part of the North Sea

Norcross, J.J., W.H. Massmann & E.B. Joseph (1962) 10-20203 M
Spec.sci.Rep.Va Inst.Mar.Sci., (31):2 p.
Data on coastal currents off Chesapeake Bay

Maksimov, I.V. & V.N. Vorob'ev (1961) 10-20204 M
Biull.sov.antarkt.Eksped., 31:35-9
The study of deep currents in the Antarctic Ocean

Sakai, T. et al. (1962) 10-20205 M
Sci.Pap.Inst.phys.chem.Res., Tokyo, 56(1):69-76
Telemetering of oceanographic observations on current meter

Nakamura, K. (1961) 10-20206 M
Sci.Rep.Tohoku Univ.(4), 13(3):164-73
Velocity of long gravity waves in the ocean

Poling, A.C. (1965) 10-20207 M
Int.hydrogr.Rev., 42(2):173-84
A taped base line and automatic meteorological recording instruments for the calibration of electronic distance measuring instruments

Belevich, R.R. (1962) 10-20208 M
Okeanologiia, 2(2):260-1
(Some results involved with the investigation of tidal currents in the open sea of the Pacific Ocean). Ru

Black, W.A. (1962) 10-20209 M
Cah.Géogr.Québ., 6(11):65-74
Geographical branch program of ice surveys of the Gulf of St. Lawrence, 1956 to 1962

Davankov, A.B. et al. (1962) 10-20210 M
Izv.VUZ Sov.Metall., (2):118-23
(Experimental extraction of uranium and other elements from the waters of the Atlantic Ocean). Ru

Dolgikh, I.P. & N.A. Shurunov (1962) 10-20211 M
Okeanologiia, 2(2):368-71
(The oceanographic works accomplished by the Soviet-Viet-Nam scientific explorative expedition sponsored by the Pacific Research Institute of Marine Fisheries and Oceanography). Ru

Ewing, J.I., J.L. Worzel & M. Ewing (1962) 10-20212 M
J.geophys.Res., 67(6):2509-28
Sediments and oceanic structural history of the Gulf of Mexico

Griffin, G.M. (1962) 10-20213 M
Bull.geol.Soc.Am., 73(6):737-68
Regional clay-mineral facies-products of weathering intensity and current distribution in the northeastern Gulf of Mexico

Grigorash, Z.K. & A.B. Zaklinskii (1962) 10-20214 M
Izv.Akad.Nauk SSSR(geofiz.), (6):681
(Modulation of tsunami at the second Kurile Straight). Ru

Gushenkov, E.M. (1962) 10-20215 M
Okeanologiia, 2(2):226-32
(Some data concerned with the Atlantic waters in the Chukotsk Sea). Ru

Fedorov, K.N. (1962) 10-20216 M
Okeanologiia, 2(2):380-2
(A new stage in the study of physical oceanography). Ru

Filatova, Z.A. (1962) 10-20217 M
Okeanologiia, 2(3):489-92
(On the problem of paleogeography in the tropical section of the Pacific Ocean. The 10th Pacific Science Congress).
Ru

No 60-248me.

Filippov, V.V. (1962) 10-20218 M
Okeanologiia, 2(2):371-5
(Acoustics in oceanography (based on a survey of materials presented at the International Oceanographic Congress)).
Ru

Haskin, L. & M.A. Gehl (1962) 10-20219 M
J.geophys.Res., 67(6):2537-42
The rare-earth distribution in sediments

Hishida, K. (1962) 10-20220 M
J.oceanogr.Soc.Japan, 18(1):15-22
On the drifting sands in Tsuiyama harbour

Hoshino, M. (1962) 10-20221 M
J.oceanogr.Soc.Japan, 18(1):1-4
Amino acids in sediment from the Japan Trench

Hunkins, K. (1962) 10-20222 M
J.geophys.Res., 67(6):2477-90
Waves on the Arctic Ocean

Iniutkina, A.I. (1962) 10-20223 M
Okeanologiia, 2(2):379
(The magnitude of marine sediments in the eastern sector of the Ross Sea in the Antarctic). Ru

Istoshin, J.V. & T.N. Kooklin (1962) 10-20224 M
Okeanologiia, 2(2):262-3
(The Cromwell Current at the 154th meridian of the western longitude). Ru

Ishibashi, M. et al. (1962) 10-20225 M
J.chem.Soc.Japan, 83(3):295-7
Determination of cadmium in sea-water

Joseph, J. & H. Sender (1962) 10-20226 M
J.geophys.Res., 67(8):3201-6
On the spectrum of the mean diffusion velocities in the ocean

Kort, V.G. (1962) 10-20227 M
Okeanologiia, 2(3):447-452
(Physical oceanography. The 10th Pacific Science Congress). Ru

No 60-248me.

Kort, V.G. (1962) 10-20228 M
Okeanologiia, 2(3):453-6
(The tsunami problem. The 10th Pacific Science Congress). Ru

No 60-248me.

Koshimizu, N. (1962) 10-20229 M
J.oceanogr.Soc.Japan, 18(1):23-5
The study of chlorinity determinations. 2. The graphical method of finding the correction "K" in chlorinity determinations of Knudsen's method

Co 8-05050.

Hashimoto, T., Y. Maniwa & M. Kato (1965) 10-20230 M
Int.hydrogr.Rev., 42(2):59-65
Research on telesounders (wireless remote control echo sounding)

Oren, O.H. & I. Engel (1965) 10-20231 M
Cah.océanogr., 17(7):457-65
Etude hydrologique sommaire du bassin levantin (Méditerranée orientale)
(Summary of the hydrological study of the Levantine basin (Eastern Mediterranean Sea)

Leclaire, L., J-P. Caulet & P. Bouysse (1965) 10-20232 M
Cah.océanogr., 17(7):467-79
Prospection sédimentologique de la marge continentale nord-africaine
(Research of bottom sediments of the continental shelf and slopes of North Africa)

Lennon, G.W. (1965) 10-20233 M
Cah.océanogr., 17(6):389-96
A note on the routine reduction of tidal records to give mean sea level, using an IBM 1620

University of Liverpool Tidal Institute has adopted a computer application based upon an IBM 1620 computer with card input.

Gougenheim, A. (1965) 10-20234 M
Cah.océanogr., 17(4):241-8
Océanographie et hydrographie - Recherche fondamentale et océanographie descriptive
(Oceanography and hydrography - Fundamental research and descriptive oceanography)

Ci 10-20017.

Martin, J. et al. (1965) 10-20235 M
Cah.océanogr., 17, Suppl.(3):221-41
Circulation superficielle dans l'Océan Indien. Résultats de mesures faites à l'aide du courantomètre à électrodes remorquées G.E.K. entre 1955 et 1963
(Superficial circulation in the Indian Ocean. Results of measurements made with G.E.K. current meter with towed electrodes from 1955 to 1963)

Contains description of work, apparatus, and 89 charts, diagrams.

Donguy, J-R. & M. Prive (1965) 10-20236 M
Cah.océanogr., 17(1):33-43
Les conditions de l'Atlantique entre Abidjan et l'Equateur. 3ème partie. Variations annuelles des conditions physico-chimiques au large d'Abidjan et de la Côte d'Ivoire à l'Equateur
(The conditions of the Atlantic between Abidjan and the equator. Part 3. Annual variations of the physico-chemical conditions off Abidjan and from Ivory Coast to the equator). En Es De

Donguy, J-R. & M. Prive (1964) 10-20237 M
Cah.océanogr., 16(6):393-405
Les conditions de l'Atlantique entre Abidjan et l'Equateur. 2ème partie. Variations hydrologiques annuelles entre Abidjan et l'Equateur
(The conditions of the Atlantic between Abidjan and the equator. Part 2. Annual hydrological variations between Abidjan and the equator)

Berthois, L., R. Battistini & A. Crosnier (1964) 10-20238 M
Cah.océanogr., 16(7):511-27
Recherches sur le relief et la sédimentologie du plateau continental de l'extrême-sud de Madagascar
(Research of the relief and bottom sediments of the shelf of the southernmost part of Madagascar)

Shaffer, J.D. (1965) 10-20239 M
Int.hydrogr.Rev., 42(1):37-40
Survey of the Gibbs Seamount

Bottom topography, benthos samples, of the seamount in the western Indian Ocean.

Robinson, A.H.W. (1965) 10-20240 M
Int.hydrogr.Rev., 42(1):63-71
The mapping of hydrographic data in atlases. A plea for morphological maps

Murray, M.T. (1965) 10-20241 M
Int.hydrogr.Rev., 42(1):73-81
Optimisation processes in tidal analysis

Harris, D.L. & R.A. Cummings (1965) 10-20242 M
Int.hydrogr.Rev., 42(1):95-103
Tide and tidal current prediction by high speed digital computer

Wohlschlag, D.E. (1965) 10-20243 M
Polar Rec., 12(79):385-9
Biological techniques for continuous studies under Antarctic Sea ice

Describes the facilities that have been developed for conduting biological studies through the permanent, or nearly permanent, sea ice cover of McMurdo Souna, Antarctica.

Spena, A. (1962) 10-20244 M
Annali Med.nav.trop., 67:463-84
(Disposal of radioactive wastes in the sea). It

NSA 19(5)8677.

Gohar, H.A.F. et al. (1964)C 10-20245 M
Inshas, Egypt, Atomic Energy Establishment, 65 p.
An experimental study of ^{90}Sr contained in marine animals following possible release of radioactive waste in sea water

NSA 20(3)3659.

Bernhard, M. (1963)C 10-20246 M
In Proceedings of a symposium on nuclear detonations and marine radioactivity, ed. by S.H. Small, Kjeller, Norway, Norwegian Defence Research Establishment, pp. 137-50
Chemical composition and the radiocontamination of marine organisms

NSA 19(13)24258.

Vacquier, V. (1964) 10-20247 M
Contr.Scripps Instn Oceanogr., 33(1470): 1-10
Magnetic evidence for horizontal displacements in the floor of the Pacific Ocean

Duntley, S.Q. (1963) 10-20248 M
J.opt.Soc.Amer., 53(2):214-33
Light in the sea

New data drawn from investigations are used to illustrate an integrated account of the optical nature of ocean water, the distribution of flux diverging from localized underwater light sources, the propagation of highly collimated beams of light, the penetration of daylight into the sea, and the utilization of solar energy for many purposes including heating, photosynthesis, vision, and photography. Issued also as: Contr.Scripps Instn Oceanogr., (1499), 1964.

Moore, D.G. & J.R. Curray (1964) 10-20249 M
Contr.Scripps Instn Oceanogr., 33(1506): 1745-7
Structural framework of the continental terrace northwest Gulf of Mexico

Palmork, K.H. (1963) 10-20250 M
Fiskeridir.Skr.Fisk., 13(6):120-5
Studies of the dissolved organic compounds in the sea. A preliminary report on the isolation, separation and identification of free amino acids

CFA 17(3):19.

Potaichuk, S.I. (1962)B 10-20251 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 46:92-102
(Some regular features in the variations and hydrological regime in the fishery exploited regions of the Norwegian, Greenland and Barents Seas). Ru

Potaichuk, S.I. (1963)C 10-20252 M
NLL M.5559:12 p.
Some regular features in the variations and hydrological regime in the fishery exploited regions of the Norwegian, Greenland and Barents Seas

En 10-20251.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Zatonskii, L.K. (n.d.)C 10-20253 M
ETC, TT-65-61353:24 p.
New investigations of bottom relief in the Indian Ocean

En 10-10125.
Available from European Translations Centre, Delft, Netherlands.

Adrov, M.M. (1962)B 10-20254 M
Okeanologiia, 2(6):999-1008
(On the hydrological regime of the central height area of the Barents Sea). Ru

Adrov, M.M. (1965) 10-20255 M
Transl.Fish.Lab.,Lowestoft, (64):9 p.
On the hydrological regime of the central height area of the Barents Sea

En 10-20254.

Fedorov, P.V. et al. (1962)B 10-20256 M
Dokl.Akad.Nauk SSSR, 144(2):431-4
(New data about the terraces of the Bulgarian coast of the Black Sea). Ru

Fedorov, P.V. et al. (1964)C 10-20257 M
5828.4 (10732)
New data about the terraces of the Bulgarian coast of the Black Sea

En 10-20256.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Sabinin, K.D. & A.Ye. Gamutilov (1964)C 10-20258 M
5828.4 (10656)
Trial use of laboratory interferometer ITR-2 for determining salinity of sea water

En 60-4384.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Seryi, V.V. & V.A. Khimitsa (1963)B 10-20259 M
Okeanologiia, 6:994-1003
(The hydrology and chemistry of the Gulf of Aden and the Arabian Sea). Ru

Seryi, V.V. & V.A. Khimitsa (1964)C 10-20260 M
6113.199 (68)
The hydrology and chemistry of the Gulf of Aden and the Arabian Sea

En 10-20259.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Argentina. Secretaría de Marina. Servicio de Hidrografía Naval (1963) 10-20261 M
Publ.Serv.Hidrogr.nav.,B.Aires, H.219:unpag.
Evaluación e interpretación de ecogramas. Fajas de sondajes seleccionadas y explicadas por el U.S. Coast and Geodetic Survey (Oficina de Levantamientos Costeros y Geodésicos de los Estados Unidos)
(Evaluation and interpretation of echograms. Examples of recordings selected and explained by the U.S. Coast and Geodetic Survey)

Ill. of soundings with interpretive captions.

Khmelevskaia, L.V. (1963)B 10-20262 M
Trud.Inst.Okeanol., 72:167-77
(On the temperature regime of the Norwegian and Greenland Seas). Ru

Khmelevskaya, L.V. (C.A. McLean Transl.)(1965) 10-20263 M
Transl.Fish.Lab.,Lowestoft, (66):10 p.
On the temperature regime of the Norwegian and Greenland Seas

En 10-20262.

Campbell, N.J., J.R.N. Lazier & R.H. Loucks (1964)C 10-20264 M
Dartmouth, N.S., Bedford Institute of Oceanography, 33 p.
Preliminary assessment of the physical oceanography of the Laborador Sea during NORWESTLANT 2, 1963

Referred to also as: ICNAF Ser., (1350).

Forsbergh, E.D. (1963) 10-20265 M
Bull.Inter-Amer.trop.Tuna Comm., 7(1):109 p.
Some relationships of meteorological, hydrographic, and biological variables in the Gulf of Panama
Algunas relaciones de las variables meteorológicas, hidrográficas, y biológicas en el Golfo de Panama

Includes considerations of: Rates of upwelling; primary production calculated from changes in oxygen and phosphorus concentrations; phosphorus and productivity; relationships of wind, upwelling and relative efficiency; photosynthesis-chlorophyll ratio; and phytoplankton-zooplankton relationships.

Vanzutphen, F.H. (1964) 10-20266 M
Electronics Communs Can., 12(11):23-4,33,42
Exploring the ocean - techniques in sound

Some recent developments in the application of the echo sounding principle, and in the associated equipment.
IA 20(2)1067.

Urick, R.J. (1963)C 10-20267 M
In 10-20026, Pap.(5):8 p.
Prediction method for sonar systems

Issued also as: J.Br.Instn Radio Engrs, 25(6):501-8.

Fahrentholz, S. (1963)C 10-20268 M
In 10-20026, Pap.(8):7 p.
Profile and area echograph for surveying and location of obstacles in waterways

Issued also as: J.Br.Instn Radio Engrs, 26(2):181-7.

Rusby, J.S.M. (1963)C 10-20269 M
In 10-20026, Pap.(19):4 p.
Investigation of an interaction effect between sound projectors mounted in an array

Issued also as: J.Br.Instn Radio Engrs, 25(4):295-8.

Ackroyd, J.O. (1963)C 10-20270 M
In 10-20026, Pap.(21):5 p.
The detection of sonar echoes in reverberation and noise

Issued also as: J.Br.Instn Radio Engrs, 25(2):119-23.

Tucker, D.G. (1963)C 10-20271 M
In 10-22026, Pap.(25):6 p.
Multiplicative arrays in radio-astronomy and sonar systems

Issued also as: J.Br.Instn Radio Engrs, 25(2):113-8.

Cooper, D.C. (1963)C 10-20272 M
In 10-22026, Pap.(27):9 p.
Visual displays of integrated video waveforms

Issued also as: J.Br.Instn Radio Engrs, 25(3):277-85.

Canada. Hydrographic Service 10-20273 M
(1963)C
Ottawa, 21 p.
Tide tables. Hudson Bay and Arctic waters 1963

Stephens, K. (1964) 10-20274 M
Manuscr.Rep.Ser.oceanogr.limnol.Fish.Res.Bd Can., (179):184 p.
Data record. Productivity measurements in the northeast Pacific with associated chemical and physical data 1958-1964

Hollister, H.J. (1964) 10-20275 M
Manuscr.Rep.Ser.oceanogr.limnol.Fish.Res.Bd Can., (177):123 p.
Classification of monthly mean sea surface temperatures and salinities at shore stations along the British Columbia and adjacent American coasts 1915-1962

Includes bibliography of published Canadian and American shore station data.

Mosby, H. (1964)C 10-20276 M
Bergen, Universitet, 48 p.
Oceanographical tables from weather ship station M 1959-1963

66 deg.N 2 deg.E.

Lisitsyn, A.P. (1964) 10-20277 M
Rez.issled.Progrm.mezhdunar.geofiz.Goda Okeanol., (10):136 p.
Raspredelenie i khimicheskii sostav vzvesi v vodakh Indiiskogo okeana
(Distribution and chemical composition of suspended matter in the waters of the Indian Ocean)

Ishino, M. et al. (1963) 10-20278 M
Antarctic Rec., (19):8-67
(On the oceanographic conditions in the Atlantic and Indian southern waters). Ni
En

Results of 1961-62 voyage of UMITAKA MARU.

Park, K. (1965) 10-20279 M
J.oceanogr.Soc.Japan., 21(2):54-9
Total carbon dioxide in sea water

Review of analytical techniques for determining total carbon dioxide in sea water.

Hersey, J.B. et al. (1963)C 10-20280 M
In 10-20026, Pap.(9):6 p.
Adaptation of sonar techniques for exploring the sediments and crust of the earth beneath the ocean

Issued also as: J.Br.Instn Radio Engrs, 26(3):245-50.

Bowers, R. (1963)C 10-20281 M
In 10-20026, Pap.(10):4 p.
A high-power, low-frequency sonar for sub-bottom profiling

Issued also as: J.Br.Instn Radio Engrs, 25(5):457-60.

Apollov, B.A. & K.I. Alekseeva (P.A.Kazakov, Transl.)(n.d.)C 10-20282 M
ETC, TT-65-60664, 20 p.
Forecasting the Caspian Sea level

En Apollov, B.A. & K.I. Alekseeva, 1959.
Available from European Translations Centre, Delft, Netherlands.

Maksimov, I.V. (P.A. Kazakov Transl.)(n.d.)C 10-20283 M
ETC, TT-65-61566, 54 p.
On long-period tidal events in the sea and the atmosphere of the earth

En I.V. Maksimov, 1954.
Available from European Translations Centre, Delft, Netherlands.

Shakurov, P. (P.E. Green, Transl.)(1960)C 10-20284 M
ETC, TT-65-61503, 11 p.
Determination of the velocity and direction of a current by means of a buoy fitted with a stake

En 60-4844.
Available from European Translations Centre, Delft, Netherlands.

Murray, M.T. (1963) 10-20285 M
Cah.océanogr., 15(10):699-711
Tidal analysis with an electronic digital computer

Gougenheim, A. (1963) 10-20286 M
Cah.océanogr., 15(10):712-5
"The tides and kindred phenomena in the solar system" par G.H. Darwin. Compte rendu bibliographique
(The tides and kindred phenomena in the solar system by G.H. Darwin. Bibliographic review)

Grousson, R. & J. Faroux (1963) 10-20287 M
Cah.océanogr., 15(10):716-21
Mesure de courants de surface en mer d'Alboran
(Surface current measurement in the Alboran Sea)

France. Comité central d'Océanographie et d'Etude des Côtes (1963) 10-20288 M
Cah.océanogr., 15(10):685-785

Contains sections on general information, technical notes, documentation received by secretariat, and tables and diagrams of observations.
Contains 10-20285, 10-20286, 10-20287, 10-20899.

Belousov, I.M. (1964)B 10-20289 M
Proc.int.geol.Congr., 22:30-40
(On the bottom topography of the north-western Indian Ocean). Ru

Belousov, I.M. (1964)C 10-20290 M
6113.199 (74)
On the bottom topography of the north-western Indian Ocean

En 10-20289.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Sarkisian, A.S. (1961)BC 10-20291 M
In Papers of the conference on the problem Interaction between the atmosphere and the hydrosphere in the North Atlantic, Vol. 3-4, Pap.no.9:13-9
(Computations of oceanic currents under the influence of air pressure). Ru

Sarkisyan, A.S. (1963)C 10-20292 M
5828.4(5568)
Computations of oceanic currents under the influence of air pressure

En 10-20291.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Vasil'iev, B.P. (1964)B 10-20293 M
Priroda,Moskva, (5):86-7
(Island shelves of the North Atlantic). Ru

Vasil'yev, B.P. (1964)C 10-20294 M
3546.00 (T 408 R)
Island shelves of the North Atlantic

En 10-20293.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Bezrukov, P.L. (1964)B 10-20295 M
Trud.Inst.Okeanol., 64:182-201
(Sediments in the northern and central regions of the Indian Ocean. (33rd voyage of VITYAZ)). Ru

Bezrukov, P.L. (1964)C 10-20296 M
6112.199(73)
Sediments in the northern and central regions of the Indian Ocean. (33rd voyage of VITYAZ)

En 10-20295.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Nemchenko, V.I. & V.I. Tishunina (1963)BC 10-20297 M
In Tenth section of the IGY programme (Oceanology). Oceanological researches No. 8:97-103
(Investigations of the thermal structure of the surface layer of the North Atlantic Ocean). Ru

Nemchenko, V.I. & V.I. Tishunina (1964)C 10-20298 M
9022.551 (284)
Investigations of the thermal structure of the surface layer of the North Atlantic Ocean

En 10-20297.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Soliankin, E.V. (1962)B 10-20299 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz.,46:90-2
(Some characteristics of the hydrology of the Denmark Strait (from data obtained during the E.S. SEBASTOPOL cruise in summer 1958)). Ru

Solyankin, E.V. (1964)C 10-20300 M
5828.4 (5560)
Some characteristics of the hydrology of the Denmark Strait (from data obtained during the E.S. SEBASTOPOL cruise in summer 1958)

En 10-20299.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Soliankin, E.V. (1962)B 10-20301 M
Trud.vsesoiuz.nauch.-issled.Inst.morsk.ryb. Khoz., 46:67
(Some remarks on water exchange through the Denmark Strait). Ru

Solyankin, E.V. (1964)C 10-20302 M
5828.4 (5561)
Some remarks on water exchange through the Denmark Strait

En 10-20301.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Iarogov, B.A. (1961)BC 10-20303 M
In Papers of the conference on the problem Interactions between the atmosphere and the hydrosphere in the North Atlantic, Vol. 3-4, Pap.no.12:51-9
(Concerning the penetration of water from the Norwegian Sea to the northern part of the Atlantic Ocean across the Wyville Thompson Ridge). Ru

Yarogov, B.A. (1964)C 10-20304 M
5828.4 (5562)
Concerning the penetration of water from the Norwegian Sea to the northern part of the Atlantic Ocean across the Wyville Thompson Ridge

En 10-20303.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Upton, B.G.J. & W.J. Wadsworth (1965) 10-20305 M
Nature,Lond., 207(4993):151-4
Geology of Réunion Island, Indian Ocean

McDougall, I. & W. Compston (1965) 10-20306 M
Nature,Lond., 207(4994):252-3
Strontium isotope composition and potassium-rubidium ratios in some rocks from Réunion and Rodriguez, Indian Ocean

Scholl, D.W. (1965) 10-20307 M
Nature,Lond., 207(4994):284-5
High interstitial water chlorinity in estuarine mangrove swamps, Florida

Wilson, J.T. (1965) 10-20308 M
Nature,Lond., 207(4995):343-7
A new class of faults and their bearing on continental drift

Burkov, V.A. et al. (G.N. Ivanov-Frantzkevich & C.P. Ramamirtham, Transl.)(1963) 10-20309 M
Cent.Mar.Fish.Res.Sub-Sta.Ernakulam, (4):20 p.
Methods of hydrological observations in the open sea

En 57-0225.
Partial translation only.

Simkiss, K. (1964) 10-20310 M
J.Cons., 29(1):6-18
The inhibitory effects of some metabolites on the precipitation of calcium carbonate from artificial and natural sea water

Describes method for precipitating calcium carbonate by adding excess sodium bicarbonate (0.6 g/l) and removing measured amounts of carbon dioxide. Discusses why it is not suitable for natural sea water.

ANON. (1963) 10-20311 M
Technique, Beckenham, 17(3):24
Weather charts for ships at sea

Thirupad, P.U.V. (Ed.)(G.N. Ivanov-Frantzkevich, Transl.)(1963) 10-20312 M
Cent.Mar.Fish.Res.Sub-Sta.Ernakulam, (2):7 p.
Manual for calibration and checking of oceanographic instruments. Preface and introduction (some passages) and contents

En Thirupad, P.U.V. (Ed.), 1959.

Simpson, E.S.W. & A.E.F. Heydorn (1965) 10-20313 M
Nature,Lond., 207(4994):249-51
Vema seamount

A general survey on geology, bathymetry, sediments, benthos, plankton and fish in the Emerson Plateau, SE Atlantic.

Morishita, T. (1965) 10-20314 M
Bull.Kobe Mar.Obs., (174):76-80
(On the fog over the eastern part of the Seto Inland Sea). Ni En

Analysis of fog characteristics to distinguish two different types of fog.

Maeda, A. (1965) 10-20315 M
J.oceanogr.Soc.Japan, 20(6):255-63
On the variation of the vertical thermal structure

General features of the vertical thermal structure; effect of typhoons and heat loss from sea surface on thermocline depth; relation between wind speed and thermocline depth; development of the transient thermocline.

Nagahara, M. (1965) 10-20316 M
Bull.Japan Sea Fish.Res.Lab., (14):71-9
(On the seasonal variations of the transport volume and oceanic conditions in the Japan Sea from 1962 to 1964). Ni En

Discussion of transport volume, velocity of the Tsushima current and the southward stream caused by this current, using data from oceanographical observations in the Japan Sea from 1962 to 1964.

Kobe Marine Observatory. Oceanographical Section (1965) 10-20317 M
Bull.Kobe Mar.Obs., (174):21-7
(A supplement to the report on the tsunami of the Chilean earthquake, 1960). Ni En

Results of levelling of traces of highest sea level along the coast of the Kumano-Nada June 22-27, 1960; records of the tsunami by 5 tide gauges are presented.

Kobe Marine Observatory. Oceanographical Section (1965) 10-20318 M
Bull.Kobe Mar.Obs., (174):1-20
(The datum lines of tidal stations and the mean sea level of Tokyo Bay). Ni En

Fluctuations in datum lines of 22 stations; variation in DL-TP values.

Kobe Marine Observatory. 10-20319 M
Maritime Meteorological Section (1965)
Bull.Kobe Mar.Obs., (174):56-75
(The results of meteorological observations on board the SHUMPU MARU in the Seto Inland Sea in 1964). Ni En

Wind and wave distribution during monsoon season; horizontal distribution of surface water temperature; discussion of vertical profile of air temperature below 150 m above sea surface.

Sreenivasan, A. (1964) 10-20320 M
J.Mar.biol.Ass.India, 6(1):167-9
Diurnal oxygen-curve method for studying the productivity of waters

Description of method.

Nagasaki Marine Observatory. 10-20321 M
Oceanographic Section (1964)
Results mar.Obsns, Tokyo, (32):51-70
(Report of the oceanographic observations in the sea west of Japan in August and from September to October, 1962). Ni En

Station locations; surface currents; water temperature and chlorinity at surface, 50 m, 100 m, and in different sections; current velocity; dissolved oxygen at 20 m, 30 m, 50 m, 100 m, and in different sections; phosphate P; diatom communities.
Issued also as: Oceanogr. & Met.,Nagasaki, 14(221): 1964.

Nagasaki Marine Observatory. 10-20322 M
Oceanographic Section (1964)
Results mar.Obsns, Tokyo, (31):50-66
(Report of the oceanographic observations in the sea west of Japan from February to March and April to May, 1962). Ni En

Station locations; surface currents; water temperature and chlorinity at surface, 50 m, and 200 m, and in different sections; variation in surface temperature between 1961 & 1962; current velocity; dissolved oxygen at 20 m, 50 m, 100 m, and different sections; phosphate P.
Issued also as: Oceanogr. & Met.,Nagasaki, 14(220), 1964.

Kikuchi, S. (1964) 10-20323 M
J.met.Res., Tokyo, 16(2):84-95
(On the abnormal low sea temperature in the East China Sea due to the cold wave). Ni En

Deviation of sea temperature and salinity from normal between December 1962 and February 1963; reasons for this phenomenal deviation are given.
Issued also as: Oceanogr. & Met., Nagasaki, 14(216):1964.

India. Central Marine Fisheries 10-20324 M
Research Institute (1962)
Indian J.Fish., 9(1):213-431
Oceanographic station list

Tabulation of observations on temperature, salinity, oxygen, wind, sea, plankton and B.T. at 673 stations from 1957 to 1961.

Butenko, A.K. & S.I. Stepanov 10-20325 M
(1961)
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Dolgovremennye avtonomnye ustanovki dlia ismereniia techenii v melkovodnykh raionakh moria
(Permanent automatic apparatuses for measuring currents in shallow seas)

Gorodenskii, N.B., 10-20326 M
N.F. Kudriavtsev & V.G. Labeish (1961)
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Issledovanie na modeli vozdeistvii techenii i volneniia na avtonomnuiu stantsiiu nabliudenii za techeniiami
(Model study of the action of current and wave movement on automatic current observation stations)

Izvekov, M.V. & 10-20327 M
N.F. Kudriavtsev (1961)
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Kolebaniia sistem avtonomnykh stantsii pod deistviem volneniia i ikh vliianie na tochnost' ismereniia techenii
(Oscillations of automatic detector systems due to wave movement and their effect on the accuracy of current measurements)

Dem'ianov, N.I. & S.I. Stepanov 10-20328 M
(1961)
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Sravnenie uslovii raboty samopistsev techenii pri avtonomnoi postanovke na stantsiiakh raznykh konstruktsii
(Comparison of the operation of automatic current recorders mounted as self-contained units on detectors of different designs)

Izmailov, V.V. (1961) 10-20329 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Ob izmerenii glubiny pogruzheniia podderzhivaiushchego buia pri postanovke avtonomnykh stantsii
(Measuring the depth to which the support buoy must be sunk in mounting automatic detectors)

Dvorkin, E.N. & S.I. Stepanov 10-20330 M
(1961)
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Opredelenie glubiny pogruzheniia samopistsev avtonomnykh stantsii s pomoshch'iu avtografov glubiny
(Determining the depths at which self-recording self-operating detectors must be sunk by means of automatic depth recorders)

Tiron, K.D. (1961) 10-20331 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Gidrostaticheskii printsip v primenenii k izmereniiu kolebanii urovnia v otkrytom more
(The application of the hydrostatic principle to the measurement of variations of level in the open sea)

Kudriavtsev, N.F. (1961) 10-20332 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Termicheskaia inertsiia mareografov Graafena i sposob ee opredeleniia
(Thermal inertia of Graafen tide gauges and the method of determining it)

Kudriavtsev, N.F. (1961) 10-20333 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Obrabotka urovennykh nabliudenii mareografami sistemy Graafena
(Processing level observations taken with Graafen tide gauges)

Boborykin, N.I. (1961) 10-20334 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Otsenka tochnosti rezul'tatov obrabotki zapisi mareografa Graafena
(Evaluating the accuracy of the result obtained by processing a Graafen tide gauge trace)

Dvorkin, E.N. (1961) 10-20335 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
O deviatsii magnitnykh sistem izmeritelei techenii
(Deviation of magnetic current-measuring systems)

Beliakov, L.N. (1961) 10-20336 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Vliianie volneniia na pokazaniia vertushek raznykh konstruktsii
(Influence of wave movement on the readings obtained by various designs of vertical log current-meters)

Izvekov, M.V. (1961) 10-20337 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Izmereniia elementov dreifa v raionakh s bol'shimi glubinami
(Measuring drift components in areas of great depth)

Kudriavtsev, N.F. & G.N. Sergeev 10-20338 M
(1961)
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
K metodike izmereniia techenii so l'da, dreifuiushchego v raionakh bol'shikh glubin
(Towards a method of measuring currents from ice drifting in areas of great depth)

Ledenev, V.G. (1961) 10-20339 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Ob ispol'zovanii elektromagnitnogo izmeritelia techenii v arkticheskikh moriakh
(Use of the electromagnetic current-meter in Arctic seas)

Dremliug, V.V. (1961) 10-20340 M
Trudy arkt.antarkt.nauchno.-issled.Inst.,
210
Radiolokatsionnyi metod nabliudenii nad morskimi techeniiami
(The radar method of observing sea currents)

Kudriavtsev, N.F. (1961) 10-20341 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
K metodike opredeleniia istinnoi glubiny pogruzheniia batometrov
(Towards a method of determining the true depth of submergence of bathymeters)

Zverev, A.A. (1961) 10-20342 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Zavisimost' velichiny ugla naklona trosa ot skorosti vetra pri proizvodstve okeanograficheskikh rabot v more
(Dependence of cable slope on wind speed in oceanographical operations at sea)

Baburin, N.N. (1961) 10-20343 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
K metodike vychisleniia glubin po termometram glubomeram
(Towards a method of calculating depths by thermometer depth gauges)

Denisov, A.S. (1961) 10-20344 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Lineika dlia vychisleniia reduktsionnykh popravok k pokazaniiam glubokovodnykh termometrov
(Slide rule calculating reduction corrections to deep water thermometer reading)

Ledenev, V.G. (1961) 10-20345 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Ispol'zovanie termistorov dlia izmereniia temperatury vody v more
(Use of thermistors for measuring water temperature at sea)

Dremliug, V.V. (1961) 10-20346 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Ob opredelenii nekotorykh elementov morskikh voln s pomoshch'iu radiolokatora
(Determination of certain components of sea waves by radar)

Kol'man, O.V. (1961) 10-20347 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Sopostavlenie techenii, vychislennykh dinamicheskim metodom, s instrumental'nymi nabliudeniiami
(Comparison of currents calculated by the dynamic method with currents observed instrumentally)

Panov, V.V. (1961) 10-20348 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Opyt opredeleniia koeffitsienta gorizontal'nogo turbulentnogo obmena v Karskom more
(An experiment in determining the coefficient of horizontal turbulence exchange in the Kara Strait)

Kudriavtsev, N.F. (1961) 10-20349 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Metod privedeniia izmerennykh glubin k ustanovlennomu nuliu na moriakh s prilivami po nabliudeniiam na dvukh i bolee urovennykh postakh
(A method of reducing measured depths to a given base line under tidal conditions, using observations from two or more observation posts at the same level)

Peresypkin, V.I. (1961) 10-20350 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Vychislenie ekstremal'nykh vysot prilivov po metodu N.F. Kudriavtseva
(Calculating maximum and minimum tidal rise by the method of N.F. Kudriavtsev)

Peresypkin, V.I. (1961) 10-20351 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Nekotorye voprosy dinamiki prilivnykh voln
(Some problems in the dynamics of tidal waves)

Ivanov, V.F. & E.G. Nikiforov (1961) 10-20352 M
Trudy arkt.antarkt.nauchno.-issled.Inst., 210
Opyt vychisleniia prilivo-otlivnykh techenii metodom Ganzena
(An experiment in calculating ebb and flow currents by the method of Ganzen)

Kopteva, A.V. (1961) 10-20353 M

Trudy arkt.antarkt.nauchno.-issled.Inst., 210

K metodike nabliudenii s samoleta nad prilivnymi splocheniiami, szhatiiami i razrezheniiami l'dov

(Procedure for airborne observation on tidally caused packing, pressing and breaking of ice)

Shumilov, Iu.S. (1961) 10-20354 M

Trudy arkt.antarkt.nauchno.-issled.Inst., 210

Volny bol'shikh periodov v Karskom more

(Long-period waves in the Kara Strait)

Adrov, M.M. (1961) 10-20355 M

Nauch.-tekh.Biull.PINRO, 2-3(16/17):31-4

Gidrologicheskie usloviia u zapadnogo poberezh'ia Grenlandii v vesenne-letnie mesiatsy 1958-1960 gg.

(Hydrological conditions on the West Greenland coast in the spring and summer of 1958-1960)

Buzdalin, Iu.I. & A.A. Elizarov (1961) 10-20356 M

Nauch.-tekh.Biull.PINRO, 2-3(16/17):35-8

Rezul'taty gidrologicheskikh issledovanii raiona N'iufaundlendskikh banok letom 1960 g.

(Results of hydrological research in the Newfoundland Bank area in the summer of 1960)

Lebedev, A.A. (1961) 10-20357 M

Nauch.-tekh.Biull.PINRO, 3(16/17):6-9

Gidrologicheskie usloviia Barentseva moria v 1960 godu

(Hydrological conditions in the Barents Sea in 1960)

Bogorodskii, M.M. (1961) 10-20358 M

Met.i Gidrol., (7):38-9

Metod obnaruzheniia mesta povrezhdeniia kabelia distantsionnykh priborov v morskikh usloviiakh

(Method of detecting site of damage to the cables of remote-control instruments at sea)

Brovikov, I.S. (1961) 10-20359 M

Met.i Gidrol., (7):16-21

Spektral'noe predstavlenie energii vetrovykh voln

(Spectral presentation to the energy of wind-caused waves)

Dubovik, P.A. (1961) 10-20360 M

Met.i Gidrol., (10):50-3

Sravnenie nabliudenii nad techeniiami s sudn v dreife i na iakore s nabliudeniiami na buikovyi stantsii

(Comparison of observations on currents performed from drifting and anchored ships with those obtained by means of buoys)

Kormyshev, N.S. (1961) 10-20361 M

Met.i Gidrol., (8):49-51

Opyt sinkhronnoi s'emki techenii elektromagnitnymi izmeriteliami

(An experiment in synchronous survey of currents by electromagnetic gauges)

Lineikin, P.S. (1961) 10-20362 M

Met.i Gidrol., (9):51-6

Obzor novykh zarubezhnykh issledovanii po teorii morskikh techenii

(Review of recent research in other countries on the theory of sea currents)

Semenov, E.F. (1961) 10-20363 M

Met.i Gidrol., (8):41-2

O prakticheskom ispol'zovanii sviazi mezhdu periodom i vysotoi volny

(Practical utilization of the connexion between wave period and height)

Skorniakov, V.M. (1961) 10-20364 M

Met.i Gidrol., (7):37

Oblegchennaia konstruktsiia priviaznykh poplavkov

(Lightweight construction of fixed floats)

Liapunov, B. (1961) 10-20365 M

Tekhnika Molod., (5):22-4

Nyriaiushchee bliudtse nad materikivoi otmel'iu. (Glubokovodnyi apparat dlia izucheniia glubin okeana)

(A diving bell over the continental platform: a deep water apparatus to investigate oceanic depth)

Morozovskii, N. (1961) 10-20366 M

Tekhnika Molod., (5):24-5

Podvodnyi planer (proekt apparata dlia issledovaniia morskikh glubin)

(A submarine glider: project of a device for exploring the depths of the sea)

Vasil'ev, K.P. & V.M. Gruzinov (1961) 10-20367 M

Met.i Gidrol., (7):32-5

Nekotorye cherty gidrologii Sargassova moria

(Some features of the hydrology of the Sargasso Sea)

Bogdanov, M.A., S.I. Potaichuk 10-20368 M
& M.S. Edel'man (1961)
Okeanologiia, 1(2):333-5
Issledovaniia v Farero-Islandskom prolive.
Norvezhskoe more, 1960, 30 maia-18
iiunia
(Investigations in the Faeros-Iceland
(Denmark) Strait, Norwegian Sea, 30 May-
18 June 1960)

Zenkovich, V.P. (1961) 10-20369 M
Okeanologiia, 1(1):175-7
Voprosy morskoi geologii i izucheniia
pribrezhnoi zony moria na 12-i assamblee
mezhdunarodnogo soiuza geodezii i geofiziki,
9finliandiia-Khel'sinki, 1960, 26 iiulia -
8 avgusta
(Problems of marine geology and investigation
of the coastal zone of the sea at
the 12th Assembly of the International
Union of Geodesy and Geophysics, Helsinki,
Finland, 26 July - 8 August, 1960)

Al'tshuler, V.M. (1961) 10-20370 M
Trudy gos.okeanogr.Inst., 65
Otkloniaiushchaia sila vrashcheniia
Zemli i uchet ee pri raschete prilivov
(Allowing for the deflecting force of the
earth's rotation in calculating tides)

Al'tshuler, V.M. (1961) 10-20371 M
Trudy gos.okeanogr.Inst., 65
Grafokartograficheskii sposob rascheta
i predvychisleniia prilivov
(The graph-cartographic method of
calculating and forecasting tides)

Pervunina, T.P. (1961) 10-20372 M
Trudy gos.okeanogr.Inst., 65
Raschet glubinnykh prilivnykh techenii
(Calculation of deep tidal currents)

Preobrazhenskii, Iu.V. & 10-20373 M
M.V. Remezova (1961)
Trudy gos.okeanogr.Inst., 65
Kompleksnyi metod postroeniia svobodnoi
urovennoi poverkhnosti moria
(Combined method of constructing a free
levelled sea surface)

Betin, V.V. & K.P. Shirokov 10-20374 M
(1961)
Trudy gos.okeanogr.Inst., 65
Opredelenie elementov dreifa l'dov v more
s samoleta
(Airborne determination of ice drift
components)

Betin, V.V. & A.P. Zaitsev 10-20375 M
(1961)
Trudy gos.okeanogr.Inst., 65
Osobennosti zamerzaniia Baltiiskogo moria
v zimu 1959-1960 gg.
(Characteristics of the freezing of the
Baltic Sea in the winter of 1959-60)

Vladimirov, O.A. (1961) 10-20376 M
Trudy gos.okeanogr.Inst., 65
Vydelenie naiveroiatneishikh periodov
pri analize slozhnykh tsiklicheskikh
krivykh
(Identifying the most likely periods for
analysing complex cyclical curves)

Trenin, V.P. (1961) 10-20377 M
Trudy gos.okeanogr.Inst., 65
Vychislenie srednikh gradientov v sloe
skachka
(Computing mean gradients in a discontinuity
layer)

Borisov, N.D. (1961) 10-20378 M
Trudy gos.okeanogr.Inst., 65
Ispytaniia glubokovodnykh termometrov na
tochnost' izmerenii
(Testing the measurement accuracy of
thermometers for use in deep water)

Morozov, A.P. (Ed.) (1961) 10-20379 M
Trudy gos.okeanogr.Inst., 65:188 p.
Gidrologiia Baltiiskogo moria
(Hydrology of the Baltic Sea)

Soskin, I.M. (1961) 10-20380 M
Trudy gos.okeanogr.Inst., 65
Gidrologicheskie fronty v datakikh
prolivakh i Kattegate, ikh peremeshchenie
i vliianie na gidrologicheskie usloviia
Baltiiskogo moria
(Hydrological fronts in the Denmark Strait
and Kattegat; their transportation and
influence on the hydrological conditions
of the Baltic Sea)

Lazarenko, N.N. (1961) 10-20381 M
Trudy gos.okeanogr.Inst., 65
Kolebaniia urovnia Baltiiskogo moria
(Fluctuations in the level of the Baltic
Sea)

Soskin, I.M. (1961) 10-20382 M
Trudy gos.okeanogr.Inst., 65
Techeniia u plavuchego maiaka Khiumadal
(Currents near the Hiiumaadal Bank
lightship)

Solov'ev, V.I. & I.M. Soskin 10-20383 M
(1961)
Trudy gos.okeanogr.Inst., 65
Opredelenie koeffitsienta K pri rabote s EMIT'om na Baltiiskom more
(Determination of the K coefficient during electromagnetic marine current meter work in the Baltic Sea)

Leder, I.Z. (1961) 10-20384 M
Trudy gos.okeanogr.Inst., 65:
Gidrometeorologicheskie obzory dlia Baltiiskogo moria
(Hydrometeorological surveys of the Baltic Sea)

Pastukhova, N.M. (1961) 10-20385 M
Trudy gos.okeanogr.Inst., 65
Gidrokhimicheskie kharakteristiki vod v Baltiiskom more v 1950-1959 gg.
(Hydrochemical characteristics of the water in the Baltic Sea in the period 1950-1959)

Pastors, A.A. (1961) 10-20386 M
Trudy gos.okeanogr.Inst., 65
Istoricheski nizkii uroven' v Rizhskom zalive
(The historical low level in the Gulf of Riga)

Muromtsev, A.M. (1961) 10-20387 M
Okeanologiia, 1(3):375-81
Razvitie gidrometeorologicheskikh issledovanii v SSSR posle Leninskogo dekreta ot 10 marta 1921 g. (doklad na torzhestvennom zasedanii, posviashch. 40-letiiu dekreta ob organizatsii plavmornina)
(Development of hydrometeorological research in the USSR after the Lenin decree of 10 March 1921. Report on 40th anniversary of the decree establishing the Floating Marine Institute)

Maksimov, I.V. (1961) 10-20388 M
Okeanologiia, 1:577-91
Iuzhnyi okean i Antarktika
(The Antarctic Ocean and Antarctica)

Bulavin, B.P. (1961) 10-20389 M
Priroda, Moskva, (6):59
Opolzni na Chernomorskom poberezh'e Kavkaza
(Landslides on the Caucasian Black Sea coast)

Vinogradov, K.A. (1960) 10-20390 M
Nauchnyi Ezheg.odess.Gosuniv., (2):141-2
O nekotorykh osobennostiakh temperaturnogo rezhima fillofornogo polia Zernova v severozapadnoi chasti Chernogo moria
(Some features of temperature conditions in the Zernov Phyllophora field, north-western Black Sea)

Dzens-Litovskii, A.I. (1961) 10-20391 M
Priroda, Moskva, (8):63-7
Morskoi vodopad. (O geogr. i geomorfol. usloviiakh Karabogazskogo proliva i zaliva Kara-Bogaz-Gol)
(A marine waterfall: the geographical and geomorphological conditions of the Kara-Bogaz-Gol Straits and Gulf)

Kirwan, A.D.,Jr. (1964)C 10-20392 M
Thesis, Texas A & M University, 160 p.
Eddy diffusion in the Antarctic intermediate water

DA 25(10):5983.

Brewer, P.G., J.P. Riley & 10-20393 M
F. Culkin (1965)
Nature, Lond., 206(4991):1345-6
Chemical composition of the hot salty water at the bottom of the Red Sea

Issued also as: Deep-Sea Res., 12(4).

Neumann, A.C. & K.E. Chave 10-20394 M
(1965)
Nature, Lond., 206(4991):1346-7
Connate origin proposed for hot salty bottom water from a Red Sea basin

van Straaten, L.M.J.U. (Ed.) 10-20395 M
(1964)
Devs Sedimentol., 1:464 p.
Deltaic and shallow marine deposits - Proceedings of the sixth international sedimentological congress, the Netherlands and Belgium - 1963

Peter, G. & H.B. Stewart Jr. 10-20396 M
(1965)
Nature, Lond., 206(4988):1017-8
Ocean surveys: the systematic approach

The need for systematic arial surveys concerning oceanic bottom reliefs is emphasized.

Pickard, G.L. (1963) 10-20397 M
J.Fish.Res.Bd Can., 20(5):1109-44
Oceanographic characteristics of inlets
of Vancouver Island, British Columbia

Shishkina, O.V. (1965) 10-20398 M
Geokhimiia, 6:739-47
Iodine distribution in marine and oceanic
silts and silt waters

Deacon, G.E.R. (1965) 10-20399 M
Nature, Lond., 206(4979):51-2
Mineral resources of the sea

Cochrane, J.D. (1963) 10-20400 M
Science, 142(3593):669-71
Equatorial undercurrent and related
currents off Brazil in March and April

Patil, M.R. et al. (1964) 10-20401 M
J.Mar.biol.Ass.India, 6(1):151-66
Hydrography of the west coast of India
during the pre-monsoon period of the year
1962. 1. Shelf waters of Maharashtra and
south west Sourashtra coasts

Wind observations; distribution of
temperature, salinity, density and oxygen.

Daubin, S.C. (1964) 10-20402 M
ISA J., 11(3):49-54
Deep-sea buoy systems

Dietz, R.S. (1964) 10-20403 M
Amer.Scient., 52(1):50-70
Origin of continental slopes

Simpson, G.G. (1963) 10-20404 M
Quart.Rev.Biol., 38(1):82-3
On Malayan shores

Re 10-20042.

Mauchline, J. (1963)BC 10-20405 M
U.K. Atomic Energy Authority, A.H.S.B.,
(RP)R27
The biological and geographical distribution
in the Irish Sea of radioactive effluent from
Windscale works 1959 to 1960

Farland, R.J. & J.A. Kuhn 10-20406 M
(1963)C
Washington, mimeo, 79 p.
Sea surface temperatures system (SURTEMS)

A "SURTEMS" was evaluated in an attempt to
establish the most desirable method for
obtaining sea surface temperature measurements. Results of tests, some conclusions
and recommendations are included.
Unpublished manuscript.

Moore, W.S. & W.M. Sackett 10-20407 M
(1964)B
J.geophys.Res., 69(24):5401-5
Uranium and thorium series inequilibrium in
sea water

Cheriyan, P.V. (1963) 10-20408 M
J.Timb.Dryers'Ass.India, 9:7-21
Studies on the salinity and temperature
variations in the Port of Cochin

BSEA 9(5)3577.

Satyanarayana, R.T.S. (1963) 10-20409 M
Indian J.Met.Geophys., 14:64-7
Pattern of surface circulation in the Indian
Ocean as deduced from drift bottle recoveries

BSEA 9(5)3578.

Serpoianu, G. (1963) 10-20410 M
Bul.Inst.Cerc.pisc., 22(1):30-46
Particularitatile regimului termic marin
la tarmul rominesc al Marii Negre si influenta
lor asupra conditiilor biologice si de pescuit
(Peculiarities of the temperature system in
the Roumanian littoral of the Black Sea, and
their influence on the fishery). Ro Fr
Ru

Data from daily observations for 1952-1961
from about 800 stations, related to catches
of the commercially important species of fish.

Thirupad, P.U.V. (Ed.)(G.N. 10-20411 M
Ivanov-Frantzkevich, Transl.)(1963)
Cent.Mar.Fish.Res.Sub-Sta.Ernakulam, (3):11 p.
Manual for calibration and checking of
oceanographic instruments

En Thirupad, P.U.V. (Ed.), 1959. CR 10-20312.

Thirupad, P.U.V. (Ed.)(G.N. Ivanov-Frantzkevich, Transl.)(1963) 10-20412 M
Cent.Mar.Fish.Res.Sub-Sta.Ernakulam, (5):4 p.
Manual for marine hydrochemical investigations

En 1959, P.U.V. Thirupad, (Ed.). CR 10-20312, 10-20411.

IMCO. Secretariat (1963)C 10-20413 M
IMCO. MSC VII/7/Add.1:3 p., mimeo
Marking of oceanographic stations

Comments received by IOC from its members on problem of providing power source for fixed light proposed for marking equipment of type 4(b), summarised in annex for consideration by Maritime Safety Committee of IMCO.

Renner, J.A. (1963) 10-20414 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (442):57 p.
Sea surface temperature monthly average and anomaly charts. Eastern tropical Pacific Ocean, 1947-58

Sea temperature data in the area bounded by the west coast of the Americas to longitude 120 deg. W and latitude 30 deg. S and temperature data at three coastal stations in South America are presented in two parts.

IGY World Data Center A. National Academy of Sciences (1963) 10-20415 M
IGY gen.Rep., (19):203 p.
Eleventh 6-monthly catalogue of data in IGY world data center A

Co 8-06101.

Pivar, M., E. Fredkin & H. Stommel (1963) 10-20416 M
Proc.nat.Acad.Sci.,Wash., 50(2):396-8
Computer-compiled oceanographic atlas: an experiment in man-machine interaction

Exploring concise modes of representation of total accumulated oceanographic station data becoming available in standardized punched-card format at National Oceanographic Data Center, Washington, D.C.

Columbia Univ.,Palisades, N.Y. Lamont Geological Observatory (1962)BC 10-20417 M
TID-16991:47 p.
Mixing, diffusion and circulation rates in ocean waters

Tunnell, G.A. (1963)A 10-20418 M
Mar.Obs., 33(202):192-201
Sea temperature fluctuations in the Red Sea, the Gulf of Aden and the Arabian Sea

Broida, S. (1963) 10-20419 M
Bull.Mar.Sci.Gulf Caribb., 13(1):58
Florida straits transports: May 1961 - September 1961

Values computed from recordings of the electric potential between Key West, Florida, and Havana, Cuba.

Oppenheimer, C.H. (1963)A 10-20420 M
Bull.Mar.Sci.Gulf Caribb., 13(1):59-72
Effects of hurricane Carla on the ecology of Redfish Bay, Texas

Bary, B. McK. (1963) 10-20421 M
J.Fish.Res.Bd Can., 20(3):789-826
Temperature, salinity and plankton in the eastern North Atlantic and coastal waters of Britain, 1957. 1. The characterisation and distribution of surface waters

Presents temperature-salinity diagrams showing northern, southern and mixed transitional waters, and discusses geographical considerations. Gives a full series of illustrative diagrams.

Wüst, G. (1963)A 10-20422 M
Deep-Sea Res., 10(3):165-87
On the stratification and the circulation in the cold water sphere of the Antillean-Caribbean basins

Issued also as: Contr.Lamont geol.Obs., (620).

von Arx, W.S. (1963)A 10-20423 M
Deep-Sea Res., 10(3):189-94
Measurement of subsurface currents by submarine

Issued also as: Contr.Woods Hole oceanogr. Instn, (1325).

Kanwisher, J. (1963)A 10-20424 M
Deep-Sea Res., 10(3):195-207
On the exchange of gases between the atmosphere and the sea

Issued also as: Contr.Woods Hole oceanogr. Instn, (1373).

Sutcliffe, W.H.Jr., E.R. Baylor & D.W. Menzel (1963) 10-20425 M
Deep-Sea Res., 10(3):233-43
Sea surface chemistry and Langmuir circulation

Discusses studies of certain aspects of the production and occurrence of organo-phosphate films of suspended organo-phosphate particles, and of airborne particles in relation to Langmuir circulation in sea-surface waters; In Langmuir circulation the surface layers of two adjacent masses of water flow towards each other.
Issued also as: Contr.Bermuda biol.Sta., (330) Contr.Woods Hole oceanogr.Instn, (1346).

Pratt, R.M. (1963)A 10-20426 M
Deep-Sea Res., 10(3):245-9
Bottom currents on the Blake plateau

Issued also as: Contr.Woods Hole oceanogr. Instn, (1329).

Gorsline, D.S. & D.B. Milligan (1963) 10-20427 M
Deep-Sea Res., 10(3):259-62
Phosphatic deposits along the margin of the Pourtalès Terrace, Florida

The presence of a large area of phosphatic sediments has been shown along the Pourtalès Terrace, Florida Straits; this zone ranges in water depth from 130 to 280 fathoms.
Issued also as: Contr.Allan Hancock Fdn, (246).

Thorndike, E.M. (1963) 10-20428 M
Deep-Sea Res., 10(3):263-7
A suspended-drop current meter

Very little is known about the currents near the floor of the oceans. However, the information which is available indicates that there probably is a wide range of values. The present investigation was aimed at providing a current meter capable of measuring these currents.
Issued also as: Contr.Lamont geol.Obs., (618).

Siedler, G. (1963) 10-20429 M
Deep-Sea Res., 10(3):269-77
On the in situ measurement of temperature and electrical conductivity of sea-water

After some brief comments on the measurement of temperature and electrical conductivity in oceanography, the measuring probes suitable for in situ measurements are reviewed. The method of measurement is described using an improved model of the so-called bathysonde. This makes possible a continuous recording of temperature, conductivity, and pressure with high accuracy in great depths.

Koshlyakov, M.N. (1963) 10-20430 M
Deep-Sea Res., 10(3):284-92
Vertical circulation of waters in the region of the Kuroshio

En 10-10789.

Rybnikov, A.A. (1963) 10-20431 M
Deep-Sea Res., 10(3):293-300
The temperature of surface waters in the whaling regions of the Antarctic

En 10-10779.

Kropachev, L.N. & O.I. Shaitan (1963) 10-20432 M
Deep-Sea Res., 10(3):301-8
Some features of fluctuations in sea level in the Kerchensky Strait

En 10-10787.

Semenchenko, I.V. & A.V. Snytkin (1963) 10-20433 M
Deep-Sea Res., 10(3):309-12
Study of the spectral brightness of the sea from an aircraft

En 10-10778.

Grabovskii, N.A., R.Kh. Greku & A.P. Metal'nikov (1963) 10-20434 M
Deep-Sea Res., 10(3):313-8
Some geomorphological peculiarities of the relief of the bottom of the Atlantic Ocean along the 30th meridian from the Arctic Circle to the Tropic of Capricorn

En 10-10771.

Sheremetevskaia, O.I. (1963) 10-20435 M
Deep-Sea Res., 10(3):323-4
On the heat balance of the ocean surface in Antarctic waters

En 10-10772.

Sysoyev, N.N. (1963) 10-20436 M
Deep-Sea Res., 10(3):325-6
Geothermic measurements in the sediments or the floors of seas and oceans

En 10-10640.

Ionin, A.S. & F.A. Shcherbakov (1963) 10-20437 M
Deep-Sea Res., 10(3):327-30
The stratification of the littoral marine deposits of the eastern Black Sea

En 10-10770.

Zenkevich, L.A. (1961) 10-20438 M
Novoe Vremia, 60:28-9
Na shturm okeanov. O perspektivakh okeanogr. issledovanii
(Ocean storms: the prospects for oceanographical research)

Zenkevich, L.A. (1961)C 10-20439 M
Moskva, Znanie, 48 p.
Issledovaniia Mirovogo okeana (Sovremennye problemy)
(Exploration of the Pacific Ocean: current problems)

Kochikov, V.N. (1961) 10-20440 M
Trudy azov.-chernomorsk.nauch.-issled.Inst. morsk.ryb.Khoz., 19:3-9
Isparenie s poverkhnosti Chernogo moria
(Evaporation from the surface of the Black Sea)

Timofeeva, V.A. (1961) 10-20441 M
Dokl.Akad.Nauk SSSR, 140:361-3
K izucheniiu poliarizatsionnykh kharakteristik svetovogo polia v mutnykh sredakh. Issled. poliarizatsii sveta v more
(Investigation of the polarization characteristics of the light field in turbid media. Investigations of light polarization in the sea)

Neprochnov, Iu.P. (1961) 10-20442 M
Dokl.Akad.Nauk SSSR, 139:177-9
Moshchnost' osadkov kotloviny Araviiskogo moria
(Sediment thickness in the basin of the Arabian Sea)

Rateev, M.A. (1961) 10-20443 M
Dokl.Akad.Nauk SSSR, 141:1200-3
Zakonomernosti prostranstvennogo razmeshcheniia kaolinita v morskikh osadkakh
(Features of the spatial distribution of kaolinite in marine sediments)

Shuleikin, V.V. & N.I. Sigachev (1961) 10-20444 M
Dokl.Akad.Nauk SSSR, 140:107-10
Novaia proverka gipotezy o prirode magnitnogo skloneniia (rol' telluricheskikh tokov, prokhodiashchikh skvoz' vodu okeana)
(A new verification of the hypothesis concerning the nature of magnetic declination: the role of telluric currents passing through the water of the ocean)

Fedynskii, V.V. (Ed.)(1961)C 10-20445 M
Moskva, MGU, Astronomicheskii In-T, Geol.Fak.
Morskie gravimetricheskie issledovaniia. Sb. statei. 1. 1954-8
(Marine gravimetrical investigations. Symposium. 1. 1954-8)

Contains 10-20065, 10-20446 to 10-20454.

Gainanov, A.G. (1961)C 10-20446 M
In 10-20445
Gravimetricheskie opredeleniia v Antarktike, Atlanticheskom okeane i Sredizemnom more v deviatom reise kitoboinoi flotilii SLAVA
(Gravimetrical determinations in Antarctica, the Atlantic Ocean and the Mediterranean during the ninth voyage of the SLAVA whaling fleet)

Gainanov, A.G. (1961)C 10-20447 M
In 10-20445
Gravimetricheskie opredeleniia na dizel'-elektrokhode OB v pervom antarkticheskom
(Gravimetrical determinations during the first Antarctic voyage of the diesel-electric ship OB)

Gainanov, A.G. & L.P. Smirnov (1961)C 10-20448 M
In 10-20445
Gravimetricheskie issledovaniia na ekspditsionnom sudne VITIAZ v Tikhom okeane v 1957-1958 gg
(Gravimetrical investigations on the expeditionary ship VITIAZ in the Pacific in 1957-1958)

Chesnokova, T.S. & N.P. Grushinskii (1961)C 10-20449 M
In 10-20445
Gravimetricheskie opredeleniia v Grenlandskom more, provedennye v 1956 g. na dizel'-elektrokhode OB
(Gravimetrical determinations in the Greenland Sea in 1956 on the diesel-electric ship OB)

Grushinskii, N.P. (1961)C 10-20450 M
In 10-20445
Morskie opredeleniia sily tiazhesti v Antarktike v 1956-1957 gg
(Marine gravimetrical determinations in Antarctica in 1956-1957)

Grushinskii, N.P. (1961)C 10-20451 M
In 10-20445
Opyt primeneniia gravimetra na nadvodnom korable
(Experimental use of a gravimeter on a submarine)

Zommer, I.E. & A.G. Gainanov 10-20452 M
(1961)C
In 10-20445
Metodika i rezul'taty opredelenii sily tiazhesti v Antarktide
(Methods and results of gravimetrical determinations in Antarctica)

Kuzivanov, V.A. & E.I. Popov 10-20453 M
(1961)C
In 10-20445
Obrabotka morskikh nabliudenii s perezagashennymi gravimetrami
(Processing marine observations performed with overdamped gravimeters)

Kuzivanov, V.A. & A.G. 10-20454 M
Gainanov (1961)C
In 10-20445
Ob izmerenii magnitnogo polia pri vypolnenii morskikh maiatnikovykh nabliudenii
(Measuring a magnetic field in the course of pendulum observations at sea)

Boudreault, Y. (1963) 10-20455 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:13-7
Mesure de la radiation solaire incidente à Grande-Rivière en 1962
(Measuring of the incidental solar radiation in Grande-Rivière in 1962)

Tiphane, M. (1963) 10-20456 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:19-31
Etude des températures des eaux de la région de la Baie-des-Chaleurs
(Study of the water temperatures in the Chaleur Bay region)

ANON. (1963) 10-20457 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:33-8
Température de l'eau de mer à Grande-Rivière
(Temperature of sea water at Grande-Rivière)

Boudreault, Y. (1963) 10-20458 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:173-81
Essai d'un hélicoptère pour les observations océanographiques et la détection du poisson
(Trial with helicopter for oceanographic observations and fish detection)

Bruns, E. (1963) 10-20459 M
Beitr.Meeresk., (9):5-13
Maximale und maximal mögliche Wellen des Ozeans
(Maximal and possible maximal ocean waves)

Discusses waves observed during a hurricane and attempts to establish a theoretical maximum for wave heights.

Sager, G. (1963) 10-20460 M
Beitr.Meeresk., (9):30-5
Das Verhältnis des kleinsten zum grössten Gezeitenstrom bei mittlerer Springzeit in der Nordsee, dem Kanal und der Irischen See
(Relationship of the lowest to the highest flood tide in mid-spring in the North Sea, Channel and the Irish Sea)

Sturm, M. (1963) 10-20461 M
Beitr.Meeresk., (9):36-66
Über Methoden zur empirischen Berechnung der Hauptkomponenten des Wärmehaushaltes der Meeresoberfläche aus mittleren hydrometeorologischen Daten
(Methods for the empirical estimation of the chief components of heat flow in the sea surface)

Biscaye, P.E. (1964)C 10-20462 M
Thesis, Yale University, 189 p.
Mineralogy and sedimentation of the deep sea sediment fine fraction in the Atlantic Ocean and adjacent seas and oceans

DA 25(11):6530.

Moody, D.W. (1964)C 10-20463 M
Thesis, The Johns Hopkins University, 168 p.
Coastal morphology and processes in relation to the development of submarine sand ridges off Bethany Beach, Delaware

DA 25(12),Pt.1:7205.

Silvester, R. (1965) 10-20464 M
Nature, Lond., 207(4998):681-8
Coral reefs, atolls and guyots

Theories of origin, new theory of the origin of atolls, explanations of specific features of reefs and atolls, eustatic implications.

Hamilton, R.D. & L.J. Greenfield (1965) 10-20465 M
Nature, Lond., 207(4997):627-8
Observations on the entrapment of organic matter within the particle structure of calcareous sediments

The sediments under investigation were taken from Biscayne Bay, Florida. The concentration of minhydrin-positive substances, and the uptake of free amino-acids from solution, were observed.

Yoshida, K. (Ed.)(1965)BC 10-20466 M
Seattle, University of Washington Press, 568 p.
Studies on oceanography. A collection of papers dedicated to Koji Hidaka

Lyman, J. (1965) 10-20467 M
Science, 148(3671):813
Studies on oceanography. A collection of papers dedicated to Koji Hidaka

Re 10-20466.

McDougall, I., B.G.J. Upton & W.J. Wadsworth (1965) 10-20468 M
Nature, Lond., 206(4979):26-7
A geological reconnaissance of Rodriguez Island, Indian Ocean

Murakami, T. & K. Uesugi (1965) 10-20469 M
Japan Analyst, 14(3):235-40
Spectrophotometric determination of fluorine in sea water using alizarin complexone

Hopkins, D.M. et al. (1965) 10-20470 M
Science, 147(3662):1107-14
Quaternary correlations across Bering Strait

Recent Soviet and American studies cast new light on the history of the Bering land bridge.

Roll, H.U. (1965)BC 10-20471 M
New York, Academic Press, 434 p.
Physics of the marine atmosphere

Provides an organized summary of recent research in marine meteorology.

Fleagle, R.G. (1965) 10-20472 M
Science, 149(3683):530
Physics of the marine atmosphere

Re 10-20471.

Piątek, W. (1962) 10-20473 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:65-79
Wstępne opracowanie fosforanów Bałtyku południowego za okres 1948-1954
(Initial elaboration of phosphate contents in the southern Baltic for the years 1948-1954). Pl En Ru

Wiktorowie, J.K. (1962) 10-20474 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:113-36
Niektóre właściwości hydrologiczne wód zatoki Pomorskiej
(Some hydrological properties of the Pomeranian Bay water). Pl En Ru

Draper, L. & P.J. Dobson (1965) 10-20475 M
Nature, Lond., 206(4990):1249
Rip currents on a Cornish beach

Kändler, R. (1963) 10-20476 M
Kieler Meeresforsch., 19(2):142-57
Hydrographische Untersuchungen über die Abwasserbelastung der Flensburger Förde
(Hydrographical investigations in the Flensburg Fjord with regard to the loading with sewage). En

Krug, J. (1963) 10-20477 M
Kieler Meeresforsch., 19(2):158-74
Erneuerung des Wassers in der Kieler Bucht im Verlaufe eines Jahres am Beispiel 1960-61
(The renewal of water in the Kiel Bay during one year based on the example of 1960-61). En

13 research cruises were made and analysed.

Krause, G. (1963) 10-20478 M
Kieler Meeresforsch., 19(2):175-81
Eine Methode zur Messung optischer Eigenschaften des Meerwassers in grossen Meerestiefen
(A method for the measurement of optical properties of sea water in the deep-sea). En

This method makes in-situ measurements possible down to greatest oceanic depths.

Krauss, W. (1963)A 10-20479 M
Kieler Meeresforsch., 19(2):119-32
Zum System der internen Seiches der Ostsee
(On the system of internal seiches of the Baltic Sea). En

Kroebel, W. & J. Wick (1963)A 10-20480 M
Kieler Meeresforsch., 19(2):133-41
Registrierungen in situ im Nordatlantik mit der Bathysonde und einem neuen Messgerät für Schallgeschwindigkeit im Meerwasser mit extrem hoher Genauigkeit
(In-situ recordings in the North Atlantic Ocean with the bathysonde and a new instrument for measuring the sound velocity in sea water with extremely high accuracy). En

Koske, P.H. (1963) 10-20481 M
Kieler Meeresforsch., 19(2):182-8
Über EMK-Messungen zur Bestimmung von Ionenkonzentrationen in Meerwasser
(On Emf-measurements for the determination of ionic concentrations in seawater).
En

The application of potential measurements in the determination of ionic concentrations in seawater is investigated.

Belevich, R.R. (1965) 10-20482 M
Dokl.Akad.Nauk SSSR, 163(6):1481-3
Vertikal'nye dvizheniia vod v severnoi tropicheskoi i ekvatorial'noi zonakh Tikhogo okeana
(Vertical motion of waters in the northern tropical and equatorial zones of the Pacific Oceans)

Bott, M.H.P. (1965) 10-20483 M
Nature, Lond., 207(5000):840-3
Formation of oceanic ridges

Brodies, J.W. & E.W. Dawson (1965) 10-20484 M
Nature, Lond., 207(5000):844-5
Morphology of north Macquarie Ridge

New data on the topography of the sea bottom between New Zealand and the Antarctic continent.

Wilson, J.T. (1965) 10-20485 M
Nature, Lond., 207(4999):907-15
Submarine fracture zones, aseismic ridges and the International Council of Scientific Unions line: proposed western margin of the East Pacific Ridge

Bonner, F.T. & A.S. Lourenco (1965) 10-20486 M
Nature, Lond., 207(4999):933-5
Nickel content of Pacific Ocean cores

Grasshoff, K. (1963) 10-20487 M
Kieler Meeresforsch., 19(1):8-15
Untersuchungen über die Sauerstoffbestimmung im Meerwasser. 3. Über eine Bestimmung von Sauerstoff in Meerwasser mit der schnelltropfenden Quecksilberelektrode
(On the determination of oxygen in sea water. 3. New determination of oxygen with the rapid dropping mercury electrode).
En

Szekielda, K-H. (1963) 10-20488 M
Kieler Meeresforsch., 19(1):16-9
Die Bestimmung des partikulär gebundenen Phosphors im Meerwasser mit der Kolbenmethode
(The determination of phosphorus in particulate matter (seston) in the sea water by means of flasks method). En

Stubbs, P. (1964) 10-20489 M
New Scient., 21(384):800-3
Taking continental drift seriously

Barnes, S.E. (1964) 10-20490 M
Mach.Design, 36(6):136-50
Man's race for the ocean bottom

Newton, C.W. & E. Palmén (1963) 10-20491 M
Tellus, 15(2):99-119
Kinematic and thermal properties of a large-amplitude wave in the westerlies

The characteristics of a large-amplitude long wave, with superimposed short-wave disturbances, are described with emphasis on the deviations between the real and geostrophic winds, and between the corresponding vorticity fields.

Nemchinov, S.V., SH.A. Musaeljan & V.P. Sadokov (1963) 10-20492 M
Tellus, 15(2):120-6
Determination of the stream function from vertical motion

By means of the solution of the linearized equation for the vertical components of the vorticity the stream function is estimated using the data for the vertical motion. The exact method for solving the finite-difference analogue of the differential equation by spherical coordinates is discussed.

Holmström, I. (1963) 10-20493 M
Tellus, 15(2):127-49
On a method for parametric representation of the state of the atmosphere

Discussion of possible parametric representations of the state of the atmosphere shows that the common use in numerical prediction models of parameters directly given by the height of certain pressure levels is inefficient. An alternative method is suggested where atmospheric variables are expanded in empirical orthogonal functions.

Mihaljan, J.M. (1963)A 10-20494 M
Tellus, 15(2):150-5
The exact solution of the Rossby adjustment problem

Yamamoto, R. (1963) 10-20495 M
Tellus, 15(2):155-61
A dynamical theory of spiral rain band in tropical cyclones

Elastoid waves and elastoid-gravoid waves are treated for a horizontal circular vortex or a simple model of tropical cyclones. The dynamical possibility for a banded or spiral region of upward motion is shown.

Warren, B.A. (1963) 10-20496 M
Tellus, 15(2):167-83
Topographic influences on the path of the Gulf Stream

Meander patterns observed in the Gulf Stream east of Cape Hatteras exhibit correlations with bottom topography.

Sandström, A.E., M.A. Pomerantz & B-O. Grönkvist (1963) 10-20497 M
Tellus, 15(2):184-93
Sea level cosmic ray intensity and threshold rigidity

The intensity of the nucleon component has been measured with a shipboard neutron monitor during a number of voyages between Oct. 1956 and March 1959. After reduction and normalization the intensity has been plotted as a function of the rigidity value computed by Quenby and Wenk.

Sugimura, Y. & H. Tsubota (1963) 10-20498 M
J.Mar.Res., 21(2):74-80
A new method for the chemical determination of radium in sea water

Reports the procedure and results of a new method for the separation and determination of radium in sea water by means of α -ray spectrometry.

McIlwraith, C.G. & S.D. Hays (1963) 10-20499 M
J.Mar.Res., 21(2):94-101
Ocean-wave measurement by sonar

Describes the structure and function of a bottom mounted narrow beam active sonar designed to measure wave height in the open ocean.

Tyler, J.E. (1963) 10-20500 M
J.Mar.Res., 21(2):102-9
Estimation of per cent polarization in deep oceanic water

An isotropic model is used to describe and estimate the % polarization in a horizontal direction in the ocean at near-asymptotic depth. It is found that when the radiance distribution is described by a fourth power ellipse the % polarization is ξ^2, where ξ is the eccentricity of the ellipse.

Veronis, G. (1963) 10-20501 M
J.Mar.Res., 21(2):110-24
On the approximations involved in transforming the equations of motion from a spherial surface to the B-plane.
1. Barotropic systems

The consequences arising from the consideration of geostrophy in a rotating barotropic fluid are re-examined.

Fisher, F.H. & C.S. Mundy (1963) 10-20502 M
J.Mar.Res., 21(2):125-8
Uniclamp, a load-bearing termination for oil-well, logging-type cables

Uniclamp, a simple, durable, and easily installed device used currently for oceanographic work permits mechanical loads to be attached to an oil-well, logging-type cable containing coaxial electrical leads, and it has the desirable feature of bearing loads up to the ultimate strength of the armored cable.

Taft, B.A. (1963) 10-20503 M
J.Mar.Res., 21(2):129-41
Distribution of salinity and dissolved oxygen on surfaces of uniform potential specific volume in the South Atlantic, South Pacific, and Indian Oceans

Distribution maps show the salinity, dissolved oxygen, and depth of four surfaces of constant potential specific-volume anomaly: $\delta\cdot\theta = 125$, 100, 80, and 60 centiliters per metric ton (cl/t). They illustrate primarily the distributions of specific volume, salinity, and dissolved oxygen in the three oceanic basins of the southern hemisphere.

Hecht, A. (1964) 10-20504 M
Bull.Sea Fish.Res.Sta.,Haifa, (36):24 p.
On the turbulent diffusion of the water of the Nile floods in the Mediterranean Sea

The large quantities of fresh water discharged during the annual floods of the Nile are used as a tracer of the turbulent diffusion process along the Mediterranean coast of Israel. Assuming Schönfeld's equation it was estimated that the mean of a series of observations will be within 15% of the predicted concentration.

Safriel, U. & Y. Lipkin (1965) 10-20505 M
Israel J.Zool., 13(4):187-90
On the intertidal zonation of the rocky shores at Eilat (Red Sea, Israel)

Deacon, G.E.R. (1965) 10-20506 M
Nature, Lond., 207(5001):1021-2
Oceanographical engineering

Re 10-20072.

Pratt, R.M. (1965) 10-20507 M
Science, 148(3677):1598-9
Ocean-bottom topography: the divide between the Sohm and Hatteras abyssal plains

Kudo, H. (1964) 10-20508 M
Bull.Tohoku Fish.Res.Lab., (24):1-7
(A method for the determination of the concentration of sulfides in sea water, and the concentration of sulfides in sea water in Matsushima Bay). Ni En

Description of method using zinc chloride and sodium hydroxide to precipitate sulphides in sea water, and determination of sulphides condensed in precipitates by iodometric or colorimetric method.

Takano, K. (1965) 10-20509 M
J.oceanogr.Soc.Japan, 21(1):1-5
Periodic variation of the barotropic components of a wind-driven circulation in an ocean

Discussion, with particular attention to the vertical component of velocity at the sea surface which is required to fulfill the continuity of mass.

Park, K. (1965) 10-20510 M
J.oceanogr.Soc.Japan, 21(1):28-9
Gas chromatographic determination of dissolved oxygen, nitrogen, and total carbon dioxide in sea water

Report on combination of gas chromatographic methods for the determination of dissolved oxygen and nitrogen, and for total carbon dioxide.

Fye, P.M. (1965) 10-20511 M
Oceanus, 11(3):2
A major discovery

Brief note on observations on chemical composition of the Red Sea obtained by ATLANTIS II.

Swallow, J.C. (1965) 10-20512 M
Oceanus, 11(3):3-5
Hot salty water

Observations on temperature, salinity and stratification in the Red Sea collected by DISCOVERY in September 1964.

Densmore, C.D. (1965) 10-20513 M
Oceanus, 11(3):6-7
Missing ingredients found

Note on analysis of hot salty water collected from the Red Sea.

ANON. (1965) 10-20514 M
Oceanus, 11(3):1
Oceanography from space?

Brief note on meeting held at Woods Hole, U.S.A., in August 1964 to review capabilities of satellite sensors and to consider what areas of oceanographic endeavour might be advanced by these means.

Munk, W.H. (1965) 10-20515 M
Oceanus, 11(3):9-12
Waves across the Pacific

Study of propagation of ocean waves from stations along a great circle between New Zealand and Alaska.

Ueno, T. (1964) 10-20516 M
Oceanogr.Mag.,Tokyo, 16(1/2):53-124
Non-linear numerical studies on tides and surges in the central part of Seto Inland Sea

Equation of motion and continuity; fundamental equations with mass transport; the meteorological condition; formulation of prediction equations.

Nan-niti, T. (1964) 10-20517 M
Oceanogr.Mag.,Tokyo, 16(1/2):35-45
Oceanic turbulence

Diffusion coefficient; empirical relation of the energy dissipation rate and the scale of turbulence; turbulence theory without assumption of inertia subrange; observed oceanic phenomena.

Masuzawa, J. (1964) 10-20518 M
Oceanogr.Mag.,Tokyo, 16(1/2):21-30
A typical hydrographic section of the Kuroshio extension

Surface current; geostrophic and thermal structure; intermediate water; flux of water characteristics.

Nan-niti, T., H. Akamatsu & T. Nakai (1964) 10-20519 M
Oceanogr.Mag.,Tokyo, 16(1/2):11-9
A further observation of a deep current in the east-north-east Sea of Torishima

Results of series of 4-day measurements of deep current with neutrally-buoyant floats at 1000 m and 2000 m depths.

Uyeda, S. et al. (1964) 10-20520 M
Oceanogr.Mag.,Tokyo, 16(1/2):7-10
Heat flow measurements during the JEDS-6 and JEDS-7 cruises in 1963

Station data and sampling methods.

Srivastava, P.S. (1964) 10-20521 M
Oceanogr.Mag.,Tokyo, 16(1/2):1-6
Wave hindcast for typhoons

Wave hindcast using Wilson's method have been made for typhoon conditions. Values of significant wave heights and period so obtained have been compared with observed values and with hind-cast values using Sverdrup-Munk method. Reasons for the differences are calculated and recorded values have been discussed.

Uesugi, K. et al. (1964) 10-20522 M
Japan Analyst, 13(5):440-5
Spectrophotometric determination of strontium in sea water using o-cresolphthalein complexone

Mero, J.L. (1964) 10-20523 M
Trans.N.Y.Acad.Sci., 26(5):525-45
Mineral resources of the sea

Griffiths, R.C. (1965) 10-20524 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (499):54 p.
A study of ocean fronts off Cape San Lucas, Lower California

Comprehensive oceanographic study was done off Cape San Lucas and the following results were obtained: The most marked oceanographic feature of the entrance to the Gulf of California is a frontal system that extends from Cape San Lucas into the Pacific Ocean and this system is strongest in spring and weakest in fall and winter.

Kitamura, H. & T. Sagi (1965) 10-20525 M
Bull.Kobe Mar.Obs., (174):39-55
(On the chemical elements in the sea south of Honshu, Japan.(Part 2.)). Ni
En

Study of correlation of nutrients.
Co 9-05012.

Ishibashi, M., S. Ueda & Y. Yamamoto (1964) 10-20526 M
Rec.oceanogr.Wks Japan, 7(2):37-42
Studies on the utilization of the shallow-water deposits (continued). On the cobalt and nickel contents of the shallow-water deposits

Relation between geology and cobalt and nickel content; relation between depth and cobalt and nickel content.
CR 9-02058.

Seki, H. (1965) 10-20527 M
J.oceanogr.Soc.Japan, 20(6):278-85
Studies on microbial participation to food cycle in the sea. 2. Carbohydrate as the only organic source in the microcosm

Investigation of conversion of dissolved non-organic nitrogenous materials with non-nitrogenous organic substances into microorganisms, and their role in the food chain when nitrogenous organic matter is absent in sea water.

Akedo, K. (1964) 10-20528 M
Bull.Kobe Mar.Obs., (173):10
(Simple diagrams for swell forecasting. 2.). Ni

Jones, J.A. (1963) 10-20529 M
Bull.Mar.Sci.Gulf Caribb., 13(2):282-307
Ecological studies of the southeastern Florida patch reefs. Part 1. Diurnal and seasonal changes in the environment. Es

Samples taken hourly over nearly 3 days for each of 4 stations during August and November 1961, March and May 1962, gave nearly continuous physical and chemical records for the sample periods. Light and dark bottle experiments indicated that the phytoplankton was unimportant. The high productivity (evident from diurnal changes in dissolved oxygen) was due chiefly to the benthic spermatophyte Thalassia. Quantitative estimates of productivity gave 1.9 g C/m2/day for Aug. and May, 0.9 g C/m2/day in Nov. and March.

Francke, E. & P. Hupfer (1963)A 10-20530 M
Beitr.Meeresk., (10):10-26
Über die mittlere interdiurne Veränderlichkeit das Wassertemperatur und des Salzgehaltes im Übergangsgebiet zwischen Nord-und Ostsee
(On the centre mean inter-diurnal variability of water temperature and salinity in the transition region between the North Sea and the Baltic)

Rohde, K.-H. (1963) 10-20531 M
Beitr.Meeresk., (10):27-8
Vorläufige Ergebnisse von Radioaktivitätsmessungen in der westlichen Ostsee
(Current results from measurements of radioactivity in the western Baltic)

Sager, G. (1963) 10-20532 M
Beitr.Meeresk., (10):29-43
Die Registrierformen bei Gezeitenrechenmaschinen
(The registration forms of tide recording instruments)

Discusses the three basic forms.

Striggow, K. (1963)A 10-20533
Beitr.Meeresk., (10):44-9
Ein neuer, automatischer Wellenschreiber des Instituts für Meereskunde Warnemünde
(A new automatic wave recorder of the Warnemünde Institute of Marine Science)

Sammler, R. (1963) 10-20534 M
Beitr.Meeresk., (10):50-1
Atlas der Gezeitenströme für die Nordsee, den Kanal und die Irische See
(Comments on the atlas of tidal currents of the North Sea, Channel and Irish Sea)

Strokina, L.A. (1963)C 10-20535 M
5828.4 (5392)
Heat balance of the North Atlantic

En 1959, L.A. Strokina
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

ANON. (1964) 10-20536 M
New Scient., 21(378):416
Japan. Measuring radiation at great depths

ANON. (1963) 10-20537 M
World Fish., 12(10):57-8
Oceanographic stations - watch out for them

General account of their purpose; gives locations of some of these in the North Sea.

Hersey, J.B. (1963) 10-20538 M
Proc.int.Congr.Zool., 16(4):301
Some neglected methods of studying the deep scattering layers

Discusses the use of seismological techniques as an alternative to echo sounding.
Pr 62-078me.
Abstract only.

Bary, B.McK. (1963) 10-20539 M
Proc.int.Congr.Zool., 16(4):302-6
Scattering in an oxygen stratified coastal waterway

Stresses the difficulties of identifying scatterers even in a permanent layer with few potential species in a coastal fjord in British Columbia.
Pr 62-078me.
Abstract only.

Ewing, J.I. (1963)C 10-20540 M
In 10-20083:3-19
Elementary theory of seismic refraction and reflection measurements

Reflected waves, refracted waves, computation of layer velocities and thicknesses, shear waves and complex refracted waves, some complications and deviations from simple theory.

Shor, G.G.,Jr. (1963)C 10-20541 M
In 10-20083:20-38
Refraction and reflection techniques and procedure

Shooting techniques, receiving techniques, plan of operations, miscellaneous variations, reflection methods.

Hill, M.N. (1963)C 10-20542 M
In 10-20083:39-46
Single-ship seismic refraction shooting

Instrumentation, operation.

Hersey, J.B. (1963)C 10-20543 M
In 10-20083:47-72
Continuous reflection profiling

Design, operations at sea, results, interpretations, geophysical measurements.

Ewing, J.I. & J.E. Nafe (1963)C 10-20544 M
In 10-20083:73-84
The unconsolidated sediments

Evidence for gradients and low-velocity sediments, variable angle reflections, normal-incidence reflections.

Raitt, R.W. (1963)C 10-20545 M
In 10-20083:85-102
The crustal rocks

Layers, average oceanic crust.

Ewing, J.I. (1963)C 10-20546 M
In 10-20083:103-9
The mantle rocks

Compressional-wave measurements, shear-wave measurements.

Oliver, J. & J. Dorman (1963)C 10-20547 M
In 10-20083:110-33
Exploration of sub-oceanic structure by the use of seismic surface waves

The general nature of seismic surface waves, evidence from mantle surface waves, from crustal surface waves, from short-period surface waves.

Worzel, J.L. & J.C. Harrison (1963)C 10-20548 M
In 10-20083:134-74
Gravity at sea

Methods and theory, gravity observations and geological interpretations.

Bullard, E.C. & R.G. Mason (1963)C 10-20549 M
In 10-20083:175-217
The magnetic field over the oceans

Measurement of the magnetic field at sea, general features of the field, reduction of magnetic observations, the magnetic properties of submarine rocks, the magnetic surveys of the north-east Pacific, the continental shelves, seamounts and mid-ocean ridges, the deep trenches.

Bullard, E.C. (1963)C 10-20550 M
In 10-20083:218-32
The flow of heat through the floor of the ocean

The temperature probe, the thermal properties of sediments, the results of heat-flow measurements, future work.

Heezen, B.C. & H.W. Menard 10-20551 M
(1963)C
In 10-20083:233-80
Topography of the deep-sea floor

Outline of submarine topography, summary of submarine topographic forms.

Guilcher, A. (1963)C 10-20552 M
In 10-20083:281-311
Continental shelf and slope (continental margin)

Definitions, topography of the continental shelf, topography of the continental slope, structure and origins of the continental margins.

Heezen, B.C. & A.S. Laughton 10-20553 M
(1963)C
In 10-20083:312-64
Abyssal plains

Regional description, trench abyssal plains, archipelagic plains, abyssal gaps, interplain channels, mid-ocean canyons and deep-sea channels, sediments on the abyssal plains, geophysical characteristics, theories of the origin of the abyssal plain.

Menard, H.W. & H.S. Ladd (1963)C 10-20554 M
In 10-20083:365-87
Oceanic islands, seamounts, guyots and atolls

Oceanic islands, seamounts, guyots, atolls, submerged atolls, oceanic volcanoes in geological time, importance of islands and seamounts.

Heezen, B.C. & M. Ewing (1963)C 10-20555 M
In 10-20083:388-410
The mid-ocean ridge

North Atlantic, South Atlantic, Indian Ocean, Indian and South Pacific Oceans, Iceland and the Norwegian Sea, Arctic Basin, crustal structure, origin.

Fisher, R.L. & H.H. Hess (1963)C 10-20556 M
In 10-20083:411-36
Trenches

Topography, structure.

Shepard, F.P. (1963)C 10-20557 M
In 10-20083:480-506
Submarine canyons

Classification of submarine valleys, canyon descriptions, east coast U.S. (New England type) canyons, trough-shaped valleys, delta foreset-slope gullies, shallow straight-walled valleys of submarine escarpments, origin of submarine canyons, subaerial erosion, pleistocene canyon cutting by turbidity currents.

Bagnold, R.A. (1963)C 10-20558 M
In 10-20083:507-28
Beach and nearshore processes. Part 1. mechanics of marine sedimentation

Definition, origin and relevant physical properties, transport during fall through the sea, transport of sediment over the sea bed, transport rate and fluid "power", auto-suspension of sediment: turbidity currents, etc., wave drift, threshold of bed disturbance by fluid action.

Inman, D.L. & R.A. Bagnold 10-20559 M
(1963)C
In 10-20083:529-53
Beach and nearshore processes. Part 2. Littoral processes

Littoral profile: two-dimensional case, migration of sand grains by wave action, littoral processes: three-dimensional case, discussion.
Co 10-20558.

Ginsburg, R.N. et al. (1963)C 10-20560 M
In 10-20083:554-82
Shallow-water carbonate sediments

Types of skeletal particles, skeletal particles in sediments, distribution of skeletal particles, discussion of the distribution of skeletal particles, non-skeletal particles, distribution of non-skeletal particles.

Arrhenius, G. (1963)C 10-20561 M
In 10-20083:655-727
Pelagic sediments

Concept of pelagic sedimentation, composition, productivity control of pelagic sedimentation, physical stratification, topographic and tectonic control of sedimentation.

Griffin, J.J. & E.D. Goldberg 10-20562 M
(1963)C
In 10-20083:728-41
Clay-mineral distributions in the Pacific Ocen

The clay minerals, surface distribution of clay minerals, vertical distribution.

Heezen, B.C. (1963)C 10-20563 M
In 10-20083:742-75
Turbidity currents

Early views, full-scale experiment, alternative explanations, physiographic evidence, sediments, requirements of turbidity currents, tectonic significance of turbidity currents, biological significance of turbidity currents, other processes of deep-sea erosion and transportation.

Nafe, J.E. & C.L. Drake (1963)C 10-20564 M
In 10-20083:794-815
Physical properties of marine sediments

Relationships among observables, methods of measurement, summary of results, conclusions.

Ericson, D.B. (1963)C 10-20565 M
In 10-20083:832-44
Cross-correlation of deep-sea sediment cores and determination of relative rates of sedimentation by micropaleontological techniques

Methods of correlation, time-equivalence of the faunal zones, some examples.

Riedel, W.R. (1963)C 10-20566 M
In 10-20083:866-87
The preserved record: paleontology of pelagic sediments

Fossils of deep-ocean basins versus those of shallow waters, objectives of deep-sea paleontology, shelled pelagic micro-organisms and their distribution, interpretation of quaternary microfossil assemblages, micropaleontological determination of ages, prequaternary paleoceanography.

Emiliani, C. & R.F. Flint 10-20567 M
(1963)C
In 10-20083:888-927
The pleistocene record

Continental stratigraphy, marine stratigraphy.

Rusnak, G.A. & J.S. Luft (1963)A 10-20568 M
Publ.Mar.Lab.Univ.Miami, 63-1:20 p.
A suggested outline for the megascopic description of marine sedimentary cores

ANON. (1963) 10-20569 M
Simrad Echo, (7):10
They use Simrad to miss fish!

Note on use of sonar to avoid fish concentrations when making underwater explosions for seismic survey of oil reserves.

Sitarz, J.A. (1963) 10-20570 M
Trav.Cent.Rech.Etud.océanogr., 5(2,3,4):199 p.
Contribution à l'étude de l'évolution des plages à partir de la connaissance des profils d'équilibre
(Contribution to the study of beach evolution from the knowledge of equilibrium profiles)

Describes the evolution of natural beaches in continental shelves of low tide seas.

Callaway, R.J. (1963) 10-20571 M
Bull.int.N.Pacif.Fish.Comm., (11):1-29
Ocean conditions in the vicinity of the Aleutian Islands, summer 1957

Summary of physical oceanographical research by Canadian, Japanese and U.S. vessels.

Le Floch, J. (1963) 10-20572 M
Trav.Cent.Rech.Etud.océanogr., 5(1):11-23
Rapport sur les mesures effectuées dans le canal de Corse en août 1960
(Report on the measurements made in the Corse Channel during August 1960)

A study of currents circulation, salinity and temperature.

Romanovsky, V. (1963)A 10-20573 M
Trav.Cent.Rech.Etud.océanogr., 5(1):27-30
Les causes de la tempête du 1er décembre 1959 dans la région de Nice
(Causes of the storm of 1st December 1959 in the region of Nice)

Le Floch, J. (1963)A 10-20574 M
Trav.Cent.Rech.Etud.océanogr., 5(1):5-10
Sur les variations saisonnières de la circulation superficielle dans le secteur nord-est de la Méditerranée occidentale
(On the seasonal variations of the surface circulation in the north-east sector of the western Mediterranean)

Romanovsky, V. (1963)A 10-20575 M
Trav.Cent.Rech.Etud.océanogr., 5(1):31-4
Effet du vent sur le mouvement des eaux littorales
(Effect of wind on the movements of the littoral waters)

Mohanrao, G.J. & T.R. Folson (1963) 10-20576 M
Analyst,Camb., 88:105-8
Gamma-ray spectrophotometric determination of low concentrations of radioactive caesium in sea water by a nickel ferrocyanide method

Bennett, E.B. (1963) 10-20577 M
Bull.Inter-Amer.trop.Tuna Comm., 8(2):33-165
An oceanographic atlas of the eastern tropical Pacific Ocean, based on data from Eastropic expedition, October-December 1955
Un atlas oceanográfico del Océano Pacífico oriental tropical, basado en los datos de la expedición Eastropic, octubre-diciembre de 1955

Remark concerning 1955 marine climate; quality and treatment of the data; Average by one-degree quadrangles, sea level pressure, sea level wind, GEK surface current, number and depth of hydrographic stations, number of samples per station, determination of depth of sampling, temperature, salinity, dissolved oxygen, inorganic phosphate, analysis of hydrographic station data, distribution in isanosteric surfaces, geostrophic flow in isanosteric surfaces, zooplankton volumes. Data sources, literature.

ANON. (1963) 10-20578 M
Sci.et Pêche, (114):5-6
Publication d'une nouvelle carte des abords du plateau continental. Région du nord-Tampen (Mer du Nord)
(Publication of a new chart of the approaches to the continental shelf. North-Tampen region (North Sea))

Issued by the Fisheries Institute, France, covering the area north of the North Sea between west Norway and north of Shetland.

Lisytsyn, A.P. (1960) 10-20579 M
Okeanol.Issled., (2):71-85
Raspredelenie i sostav izvesy v vodakh Indiiskogo Okeana
(Distribution and composition of the suspended matter in the Indian Ocean waters)

Issued also as: Coll.Repr.int.Indian Oc. Exped., 1, 1965.

Hunter, M.N. (1963) 10-20580 M
Trans.Amer.geophys.Un., 44(1):51
A numerical method of forecasting ceiling using a digital summation system

Paper M8 presented to the 44th annual meeting of the American Geophysical Union, section of Meteorology. Symposia on Micrometeorology and General Meteorology, Washington D.C., 17 April, 1963.
Abstract only.

Klein, W.H., B.M. Lewis & C.W. Crockett (1963) 10-20581 M
Trans.Amer.geophys.Un., 44(1):53-4
Objective determination of sea level pressure from upper level heights

Paper M19 presented to the 44th annual meeting of the American Geophysical Union, section of Meteorology. Dynamic Meteorology and Numerical Weather Prediction, Washington D.C., 18 April, 1963.
Abstract only.

Walker, R.A. (1963) 10-20582 M
Trans.Amer.geophys.Un., 44(1):59
Some low-frequency, high-amplitude underwater noise pulses of wide geographic distribution, apparently of biological origin

Paper O1 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Physical and Chemical Properties of the Ocean, Washington, D.C., 17 April, 1963.
Abstract only.

Miyake, Y. & Y. Sugimura (1963) 10-20583 M
Trans.Amer.geophys.Un., 44(1):59
Uranium and radium in the western North Pacific waters

Paper O2 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Physical and Chemical Properties of the Ocean, Washington D.C., 17 April, 1963.
Abstract only.

Chave, K.E. (1963) 10-20584 M
Trans.Amer.geophys.Un., 44(1):59
Carbonate supersaturation of seawater

Paper 03 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Physical and Chemical Properties of the Ocean, Washington D.C., 17 April 1963. Abstract only.

Pattuillo, J. & P. Maughan (1963) 10-20585 M
Trans.Amer.geophys.Un., 44(1):60
Application of Margules' equation to an oceanic front

Paper 05 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Physical and Chemical Properties of the Ocean, Washington D.C., 17 April, 1963. Abstract only.

Bryan, K. (1963) 10-20586 M
Trans.Amer.geophys.Un., 44(1):60
A numerical investigation of a non-linear model of a wind-driven ocean

Paper 06 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Business Meeting and Oceanic Circulation, Washington D.C., 17 April 1963. Abstract only.

Burns, R.E. (1963) 10-20587 M
Trans.Amer.geophys.Un., 44(1):60
Processes contributing to the subarctic boundary in the central North Pacific

Paper 07 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Business Meeting and Oceanic Circulation, Washington D.C., 17 April 1963. Abstract only.

Knauss, J.A. (1963) 10-20588 M
Trans.Amer.geophys.Un., 44(1):60
A study of the equatorial circulation in the Indian Ocean

Paper 08 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Business Meeting and Oceanic Circulation, Washington D.C., 17 April 1963. Abstract only.

Ichiye, T. & N.B. Plutchak (1963) 10-20589 M
Trans.Amer.geophys.Un., 44(1):60
Experiments on the circulation of the Gulf of Mexico with a rotating model

Paper 09 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Business Meeting and Oceanic Circulation, Washington D.C., 17 April 1963. Abstract only.

Tolbert, W.H., G.G. Salsman & R.D. Gaul (1963) 10-20590 M
Trans.Amer.geophys.Un., 44(1):61
Results of drift bottle studies off Panama City, Florida

Paper 010 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Business Meeting and Oceanic Circulation, Washington D.C., 17 April, 1963. Abstract only.

Drennan, K.L., W.J. Demoran & R.D. Gaul (1963) 10-20591 M
Trans.Amer.geophys.Un., 44(1):61
Some results of recent circulation studies east of the Mississippi Delta

Paper 011 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Business Meeting and Oceanic Circulation, Washington D.C., 17 April, 1963. Abstract only.

Hersey, J.B. (1963) 10-20592 M
Trans.Amer.geophys.Un., 44(1):61-2
Seismic profiling and geological exploration in the deep sea

Paper 014 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963. Abstract only.

Ewing, M., J. Ewing & J.L. Worzel (1963) 10-20593 M
Trans.Amer.geophys.Un., 44(1):62
The continental margin between Cape Hatteras and the Bahama Islands

Paper 015 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963. Abstract only.

Shor, G.G., J.R. Curray & D.G. Moore (1963) 10-20594 M
Trans.Amer.geophys.Un., 44(1):62
Reflection profiling off California

Paper 016 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Clay, C.S., W.L. Liang & P.A. Rona (1963) 10-20595 M
Trans.Amer.geophys.Un., 44(1):62
Continuous seismic reflection profiles

Paper 017 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Phillips, R.P. (1963) 10-20596 M
Trans.Amer.geophys.Un., 44(1):62
Seismic refraction investigations in the Gulf of California

Paper 018 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Ewing, M., W.J. Ludwig & J. Ewing (1963) 10-20597 M
Trans.Amer.geophys.Un., 44(1):62
Sediment distribution in the oceans, the Argentine Basin

Paper 019 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Bunce, E.T. & J.B. Hersey (1963) 10-20598 M
Trans.Amer.geophys.Un., 44(1):62-3
Continuous seismic profiles of the outer ridge north of Puerto Rico

Paper 020 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Savit, C.H. (1963) 10-20599 M
Trans.Amer.geophys.Un., 44(1):63
Reflection and refraction seismic survey, Puerto Rico outer ridge

Paper 021 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Kutschale, H. (1963) 10-20600 M
Trans.Amer.geophys.Un., 44(1):63
Seismic profiler measurements in the Siberia Basin, Arctic Ocean

Paper 022 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Breslau, L. (1963) 10-20601 M
Trans.Amer.geophys.Un., 44(1):63
Geological exploration by measuring the total energy in bottom and sub-bottom seismic echoes

Paper 023 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Ewing, M., J. Ewing & M. Talwani (1963) 10-20602 M
Trans.Amer.geophys.Un., 44(1):63-4
Sediment distribution in the oceans - the Mid-Atlantic Ridge

Paper 024 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Langseth, M.G. & M. Ewing (1963) 10-20603 M
Trans.Amer.geophys.Un., 44(1):64
Geophysical results from VEMA cruise 18 in the central Indian Ocean

Paper 025 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Hersey, J.B., D.D. Caulfield & H. Hoskins (1963) 10-20604 M
Trans.Amer.geophys.Un., 44(1):64
Seismic reflection profiles across the Bermuda Rise

Paper 026 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Blaik, M. & M.A. Ransone (1963) 10-20605 M
Trans.Amer.geophys.Un., 44(1):64
Reflection-velocity measurements in the Hatteras abyssal plain

Paper 027 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Stetson, T.R., J.B. Hersey & S.T. Knott (1963) 10-20606 M
Trans.Amer.geophys.Un., 44(1):64
Shallow structures of the Blake Plateau

Paper 028 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Ewing, J., M. Ewing & R. Leydon (1963) 10-20607 M
Trans.Amer.geophys.Un., 44(1):65
Seismic reflection measurements on the Blake Plateau

Paper 030 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C. 18 April 1963.
Abstract only.

Houtz, R. & J. Ewing (1963) 10-20608 M
Trans.Amer.geophys.Un., 44(1):65
Oceanic sediments and crustal structure from detailed reflection and refraction profiles

Paper 031 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington D.C., 18 April 1963.
Abstract only.

Moskowitz, L. (1963) 10-20609 M
Trans.Amer.geophys.Un., 44(1):65
On the selection and reduction of oceanographic wave records

Paper 032 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Pierson, W.J.,Jr. (1963) 10-20610 M
Trans.Amer.geophys.Un., 44(1):65
A study of long-crested waves in Lagrangian form

Paper 033 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Reid, R.O. & A.C. Vastano (1963) 10-20611 M
Trans.Amer.geophys.Un., 44(1):65
Variational formulation for long gravity waves in variable depth

Paper 034 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Collins, I. (1963) 10-20612 M
Trans.Amer.geophys.Un., 44(1):65
Inception of turbulence at the bed in periodical gravity waves

Paper 035 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Schooley, A.H. (1963) 10-20613 M
Trans.Amer.geophys.Un., 44(1):66
Neutrally-buoyant bubbles as a tool for investigating wind fields that are generating water waves

Paper 036 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Horiguchi, T. & T. Asada (1963) 10-20614 M
Trans.Amer.geophys.Un., 44(1):66
Experiments on decay of waves by opposing winds

Paper 037 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Iida, H. (1963) 10-20615 M
Trans.Amer.geophys.Un., 44(1):66
Edge waves over a sloping beach in a rotating two-layered system

Paper 038 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Ichiye, T. (1963) 10-20616 M
Trans.Amer.geophys.Un., 44(1):66
Internal waves on a continental shelf

Paper 039 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Van Dorn (1963) 10-20617 M
Trans.Amer.geophys.Un., 44(1):67
Model study of water-wave diffraction around Wake Island

Paper 040 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Hicks, S.D. (1963) 10-20618 M
Trans.Amer.geophys.Un., 44(1):67
Tidal characteristics of Chesapeake Bay

Paper 041 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Waves, Washington D.C., 19 April 1963.
Abstract only.

Hume, J.D. & M. Schalk (1963) 10-20619 M
Trans.Amer.geophys.Un., 44(1):67
The effects of beach borrowing in the Arctic

Paper 042 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Eckhoff, O.B. & G.E. Wilkes (1963) 10-20620 M
Trans.Amer.geophys.Un., 44(1):67
Submarine topography southwest of the Hawaiian Islands

Paper 044 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Mason, R.G. (1963) 10-20621 M
Trans.Amer.geophys.Un., 44(1):67-8
Island gravity surveys and crustal structure of the Christmas Island Ridge

Paper 045 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Gross, M.G. (1963) 10-20622 MF
Trans.Amer.geophys.Un., 44(1):68
Radioactivity of marine sediments near the Columbia River in 1962

Paper 046 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Inman, D.L. & E.D. Goldberg (1963) 10-20623 M
Trans.Amer.geophys.Un., 44(1):68
Petrogenesis and depositional rates of sediments from the experimental Mohole drilling off La Jolla, California

Paper 047 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Harrison, W. & R.J. Malloy (1963) 10-20624 M
Trans.Amer.geophys.Un., 44(1):68
Reconnaissance geological echo profiler (GEP) survey in Lower Chesapeake Bay

Paper 048 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Edgerton, H.E. & H. Payson (1963) 10-20625 M
Trans.Amer.geophys.Un., 44(1):68
Sediment penetration with a short-pulse sonar

Paper 049 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Edgerton, H.E. (1963) 10-20626 M
Trans.Amer.geophys.Un., 44(1):69
The 'boomer' sonar source for seismic profiling

Paper 050 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Marine Geology, Washington D.C., 19 April 1963.
Abstract only.

Broecker, W. et al. (1963) 10-20627 M
Trans.Amer.geophys.Un., 44(1):69
Chemical and radiochemical studies of $CaCO_3$ deposition on the Bahama Banks

Paper 051 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Marine Geochemistry, Washington D.C., 20 April 1963.
Abstract only.

Cox, R.A. (1963) 10-20628 M
Trans.Amer.geophys.Un., 44(1):70
The 'salinity' of sea water

Paper 053 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Marine Geochemistry, Washington D.C., 20 April 1963.
Abstract only.

Carritt, D.E. (1963) 10-20629 M
Trans.Amer.geophys.Un., 44(1):70
Intercomparison of the Winkler procedure as currently used for the measurement of dissolved oxygen

Paper 054 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Marine Geochemistry, Washington D.C., 20 April 1963.
Abstract only.

Antal, P.S. (1963) 10-20630 M
Trans.Amer.geophys.Un., 44(1):70
Synoptic analysis of separated sediment phases: A powerful method of geochemistry

Paper 055 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Marine Geochemistry, Washington D.C., 20 April 1963.
Abstract only.

Bary, B.McK. (1963) 10-20631 M
J.Fish.Res.Bd Can., 20(4):1031-65
Temperature, salinity and plankton in the eastern North Atlantic and coastal waters of Britain, 1957. 2. The relationships between species and water bodies

Co 10-20421.

Lindberg, G.U. (1963)AC 10-20632 M
In 10-20091:68-81
On the connection between the continents of Europe and America

En 8-06211.

Litvin, V.M. & V.D. Rvachev (1963)AC 10-20633 M
In 10-20091:100-12
The bottom topography and sediments of the Labrador and Newfoundland fishing areas

En 8-06067.

Ponomarenko, L.S. & M.A. Istoshina (1963)AC 10-20634 M
In 10-20091:113-24
Hydrochemical studies in the Newfoundland area

En 8-06068.

Adrov, M.M. (1963)AC 10-20635 M
In 10-20091:136-51
Hydrological investigations near western Greenland

En 8-06069.

Buzdalin, Yu.I. & A.A. Elizarov 10-20636 M
(1963)AC
In 10-20091:152-68
Hydrological conditions in the Newfoundland banks and Labrador areas in 1960

En 8-06070.

Elizarov, A.A. (1963)AC 10-20637 M
In 10-20091:169-84
On the vertical stability of water layers on the fishing grounds of the Newfoundland banks

En 8-06071.

Klimenkov, A.I. & V.I. 10-20638 M
Pakhorukov (1963)AC
In 10-20091:185-95
Hydrological observations in the northwest Atlantic in spring-summer 1960

En 8-06072.

Zeitlin, H. & K. Lei (1965) 10-20639 M
Nature,Lond., 207(5004):1387-8
Dissolved silicate and particulate iron content in different water types

Marine waters off Hawaiian Islands were investigated.

Holland, H.D. (1965) 10-20640 M
Proc.nat.Acad.Sci.,Wash., 53(6):1173-83
The history of ocean water and its effect on the chemistry of the atmosphere

Gillis, M. (1963) 10-20641 M
Canad.Fisherm., 50(1):20-2
Canada's important contribution to oceanography

LZ 9(5)9001.

Ueno, T. (1964) 10-20642 M
Oceanogr.Mag., Tokyo, 16(1/2):47-51
Theoretical studies on tidal waves travelling over the rotating globe. 2

Outline of computations.
Co 10-10448.

Kamatani, A. & C. Matsudaire 10-20643 M
(1964)
Tohoku J.agric.Res., 15(3):279-94
On the fertility of Matsushima Bay. 2. The mineralization of organic matter in marine mud

Attempt to determine the mineralizing processes of the carbohydrates in the marine deposits.
Co 9-09053.

Sugimoto, H., M. Suzuki & 10-20644 M
O. Takeuchi (1965)
Bull.Jap.Soc.sci.Fish., 31(1):24-32
(Studies of the oil pollution on the fishing ground in Seto Inland Sea. 2. Distribution of oily wastes in the mud of sea bottom). Ni En

Distribution of ether-extractable substances, ignition loss, COD and sulfide in the bottom mud; relation between amounts of ether-extractable substances and amounts of ignition loss, total sulfide and COD in the mud.
Co 10-10523.
:aem

Syazuki, K. (1964) 10-20645 M
J.Shimonoseki Univ.Fish., 13(2):51-8
(Studies on the foul-water drainage from factories. 12. Treatment of the organic wastes with lime and sea water). Ni
En

Attempt to remove diluted coal-gas and alcohol-fermentation waste by use of lime and sea water; formulae are given for settling rate for alcohol-fermentation waste and for dimensions of a vertical settling tank.
Co 8-10082.

Japan. Maritime Safety Agency 10-20646 M
(1963)
Hydrogr.Bull., Tokyo, (74):230 p.
The results of oceanographic observations in the north-western Pacific Ocean, No. 10 1942

Oceanographical (T and S) and meteorological observations, and current measurements at 32 stations. Stations and sectional lines are given.

Konaga, S. (1965) 10-20647 M
Bull.Kobe Mar.Obs., (174):28-38
(The water temperature at the sea surface. 6. On its variations). Ni En

Diurnal variation of water temperature and the effect of stratification, radiation, turbidity, wind, tidal current and wind wave on the variation. Co 9-07102.

Conolly, J.R. & M. Ewing (1965) 10-20648 M
Nature, Lond., 208(5006):135-8
Pleistocene glacial-marine zones in North Atlantic deep-sea sediments

Platford, R.F. (1965) 10-20649 M
J.Fish.Res.Bd Can., 22(4):885-9
Activity coefficient of the sodium ion in sea water

Jones, S. (1964) 10-20650 M
Indian J.Fish., 9(1):213-431
Central Marine Fisheries Research Institute-Oceanographic station list

Data concerning salinity, oxygen ml/l, wind, plankton for Indian Ocean in the period 1957-1961.

Galloway, R.N. (1964) 10-20651 M
J.Wat.Poll.Contr.Fed., 36(1):80-3
Marine outfall cleaning

LZ 9(10)9137.

Wright, R. (1965) 10-20652 M
Maritimes, 9(3):4-7
Deep water movement in the western Atlantic Ocean

Fox, P.J. & B.C. Heezen (1965) 10-20653 M
Science, 149(3690):1367-70
Sands of the Mid-Atlantic Ridge

Sands collected at 24 locations consist predominantly of olivine, diopsidic augite, hypersthene, enstatite, amphibole, quartz, plagioclase, and volcanic glass, suggesting an olivine tholeiitic source.

Spichak, M.K. (1961)C 10-20654 M
In 10-20151
Dinamika vzveshennogo veshchestva Azovskogo moria
(The dynamics of suspended matter in the Sea of Azov)

Spichak, M.K. & L.I. Golovastikova (1961)C 10-20655 M
In 10-20151
Gidrometeorologicheskaia kharakteristika Azovskogo moria v 1960 godu
(A hydrometeorological description of the Sea of Azov in 1960)

Shelomov, I.K. & G.D. Makarova (1961)C 10-20656 M
In 10-20151
Gidrokhimicheskii rezhim Azovskogo moria v 1960 godu
(The hydrochemical regime of the Sea of Azov in 1960)

Nikolaev, I.I. (1961) 10-20657 M
Okeanologiia, 1:1046-58
Nekotorye obshchie cherty raspredeleniia i biologii massovykh vidov fauny i flory Baltiiskogo moria v sviazi s osobennostiami ego gidrologii
(Some general characteristics of the distribution and biology of prolific fauna and flora species in the Baltic Sea in relation to the hydrology of the Baltic)

Zhukova, A.I. & M.V. Fedosov (1961) 10-20658 M
Okeanologiia, 1:450-5
Znachenie mikroorganizmov verkhnego sloia donnykh otlozhenii melkovodnogo morskogo vodoema v transformatsii organicheskogo veshchestva
(Importance of microorganisms in the top layer of clastic deposits in a shallow body of sea water in the transformation of organic matter)

Gaskell, T. (1965) 10-20659 M
New Scient., 26(442):384-6
Minerals under the sea

The prospects of mining on the shelves and sea bottoms.

IAEA (1965) 10-20660 MG
Saf.Ser.int.atom.Energ.Ag., (11):95 p.
Methods of surveying and monitoring marine radioactivity. Report of an ad hoc panel of experts

Contains chapters covering: Selection of required measurements and sampling; survey; monitoring; analytical procedures for radionuclides of interest; measurement of radioactivity; natural radionuclides in marine material; sampling procedures with reference to size of sample; examples of survey and monitoring practices and facilities.

Kiel, G.D. (1965) 10-20661 MG
Naturwissenschaften, 52(11):289-98
Aufgaben und Ergebnisse der gegenwärtigen
Meereskunde
(Tasks and results of the contemporary
marine knowledge)

General aspects of modern physical and chemical oceanography and the goals of biological investigations of the seas are described.

ANON. (1963) 10-20662 MG
WMO Bull., 12(3):160-2
Numerical weather prediction. WMO/IUGG
symposium in Oslo

Dietrich, G. & G. Siedler (1963) 10-20663 MG
Kieler Meeresforsch., 19(1):3-7
Ein neuer Dauerstrommesser
(A new, permanently recording current
meter). En

Kaplan, I.R. & S.C. Rittenberg 10-20664 MG
(1963)C
In 10-20083:583-619
Basin sedimentation and diagenesis

Physical aspects of sedimentation, diagenesis in sediments, isotope studies related to biological processes in sediments, special problems.

Koczy, F.F. (1963)C 10-20665 MG
In 10-20083:816-31
Age determination in sediments by natural
radioactivity

Theoretical considerations, geochemical considerations, practical methods of age determination, rate of sedimentation.

Klehn, H. & D. Sonntag (1963) 10-20666 MG
Acta hydrophys.,Berlin, 8(1):23-45
Ein hydrographisches Extinktions- und
Temperaturmessgerät
(A hydrographic extinction- and temperature-
measuring apparatus)

Šul'ak, B.A. (1963) 10-20667 MG
Acta hydrophys.,Berlin, 8(1):47-78
Über die Wellen auf der Oberfläche eines
kohäsionslosen Mediums
(Concerning the waves on the surface of a
cohesionless medium)

Caulfield, D.D. (1963) 10-20668 MG
Trans.Amer.geophys.Un., 44(1):61
Design of electrically-powered sparker for
seismic profiling

Paper 013 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Sea Floor Studies, Washington, D.C., 18 April, 1963.
Abstract only.

Corless, J.T., K.A. Rahn & J.W. 10-20669 MG
Winchester (1963)
Trans.Amer.geophys.Un., 44(1):69
Variations in the ratio Ca^{48}/(Total Ca)
in natural materials

Paper 052 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Symposium on Marine Geochemistry, Washington D.C., 20 April 1963.
Abstract only.

Shapley, S.P. & D.M. Bishop 10-20670 MF
(1965)
J.Fish.Res.Bd Can., 22(4):919-28
Sedimentation in a salmon stream

Vallentyne, J.R. (1963) 10-20671 MF
Limnol.& Oceanogr., 8(1):16-30
Isolation of pyrite spherules from
recent sediments

Seymour, A.H. & G.B. Lewis 10-20672 MF
(1964)C
Seattle, Washington University, 78 p.
Radionuclides of Columbia River origin
in marine organisms, sediments, and
water collected from the coastal and
off-shore waters of Washington and
Oregon, 1961-1963

NSA 19(15)27910.

Willis, J.P. & L.H. Ahrens 10-20673 MF
(1962)
Geochim.cosmochim.Acta, 26:751-64
Some investigations on the composition of
manganese nodules, with particular
reference to certain trace elements

Zaborowska-Mlodzinska, Z. (1963) 10-20674 MF
Przegl.geof., 8(1-2):55-65
Chemizm wód ujściowych Odry
(Chemistry of the waters at the mouth of
the River Oder). Pl

Longuet-Higgins, M.S. & D.W. Parkin (1962) 10-20675 MF
Geogr.J., 128(2):194-200
Sea waves and beach crusps

Mills, A.A. (1962) 10-20676 MF
Mar.Sci.Instrument., 1:244-5
An external core-retainer

Schellenberger, G. (1965) 10-20677 MF
Acta hydrophys.,Berl., 10(2):79-105
Über Zusammenhänge zwischen optischen Parametern von Gewässern
(On the relationship between optical parameters of water bodies)

Driver, E.A. (1965) 10-20678 MF
J.Fish.Res.Bd Can., 22(5):1165-73
Limnological aspects of some saline lakes in west-central Manitoba

Donguy, J-R., J. Hardiville & J-C. Le Guen (1965) 10-20679 MF
Cah.océanogr., 17(2):85-97
Le parcours maritime des eaux du Congo
(Seaward river flow of the waters of the Congo). En

Three campaigns corresponding to the little swelling were carried out in 1963 with the object of observing the sea-routes of the waters of the river.

Capurro, L.R.A. (1965) 10-20680 MF
Int.hydrogr.Rev., 42(1):25-36
Comprehensive survey of the Rio de la Plata area

Contains hydrographic, geological, geophysical and partly oceanographic surveys of the River la Plata and its huge marine estuary.

Touhill, C.J. Jr. (1964)C 10-20681 MF
Thesis, Troy, N.Y., Rensselaer Polytechnic Inst., 238 p.
The removal of radionuclides from water and waste-water by manganese dioxide

NSA 20(3)5206.

Bryan, G.W. (1963)C 10-20682 MF
In Proceedings of a symposium on nuclear detonations and marine radioactivity, ed. by S.H. Small, Kjeller, Norway, Norwegian Defence Research Establishment, pp. 85-93
The accumulation of radio-caesium by marine and brackish water invertebrates

NSA 19(13)24256.

Feldt, W. (1963)C 10-20683 MF
In Proceedings of a symposium on nuclear detonations and marine radioactivity, ed. by S.H. Small, Kjeller, Norway, Norwegian Defence Research Establishment, pp. 105-11
Measurement of strontium 90 and caesium 137 in fishes

NSA 19(13)24257.

Commoner, B. (1965) 10-20684 MF
J.Wat.Poll.Contr.Fed., 37:60-70
Conservation of the water resource: the responsibility of the scientist

Problems of water pollution, particularly by radioactive fallout and organic chemicals, are discussed.
NSA 20(1)18.

Hubbs, C.L., G.S. Bien & H.E. Suess (1963) 10-20685 MF
Radiocarbon, 5:254-72
La Jolla natural radiocarbon measurements III

Issued also as: Contr.Scripps Instn Oceanogr., (1503), 1964.

Eckart, C. (1963) 10-20686 MF
Physics Fluids, 6(8):1037-41
Some transformations of the hydrodynamic equations

Issued also as: Contr.Scripps Instn Oceanogr., (1599), 1964.

Kunkel, G. (1963) 10-20687 MF
Ber.schweiz.bot.Ges., 73:339-46
(Some formations of near coastal inland marshes of the Ivory Coast). De

BAgr. 29(4)29226.

Tokui, T. (1965) 10-20688 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):49-59
(Physical and chemical characteristics of Lake Shikotsu-ku, Hokkaido, Japan). Ni
En

Temperature and chemical composition of the lake water; effect of some chemical characteristics on kokanee salmon which is abundant in the lake.

Sokolov, A.A. (1961) 10-20689 MF
Met.i Gidrol., (8):20-5
Proiavlenie zakona geograficheskoi zonal'nosti v gidrologii
(Manifestation of the law of geographical zonality in hydrology)

Pugin, A.A. (1961) 10-20690 MF
Met.i Gidrol., (11):57
K voprosu izmereniia glubin metodom vozdushnoi stereofotogrammetricheskoi s'emki
(Depth measurement by the method of aerial stereophotogrammetry)

Koblitskaia, A.F. (1961) 10-20691 MF
Trudy astrakh.Zapov., 5:180-200
Nerestovoe znachenie il'menei nizhnei zony del'ty Volgi v zavisimosti ot kharaktera gidrologicheskogo rezhima
(Importance of the lower Volga delta lakes in relation to spawning, depending on hydrological conditions)

Pastors, A.A. (1961) 10-20692 MF
Trudy gos.okeanogr.Inst., 65
Stok presnoi vody i advektsiia tepla v Rizhskii zaliv
(Freshwater run-off and heat advection in the Gulf of Riga)

Geller, S.Iu. (1961) 10-20693 MF
Izv.Akad.Nauk SSSR(geogr.), (5):42-8
K voprosu o regulirovanii urovnia Kaspiiskogo moria
(The problem of regulating the level of the Caspian Sea)

Glushkov, V.G. (1961)C 10-20694 MF
Moskva, Akademiia Nauk SSSR, :416 p.
Voprosy teorii i metody gidrologicheskikh issledovanii
(Problems in the theory and methods of hydrological research)

Koblents, Ia.P. (1961) 10-20695 MF
Problemy Arkt., 7:11-5
Opyt rascheta limitiruiushchikh glubin v morskikh ust'iakh rek po gidrologicheskim dannym
(An attempt at calculating bounding depths in river offings on the basis of hydrological data)

Zhirnov, V.M. (1961) 10-20696 MF
Okeanologiia, 1:1097-9
O sinkhronnykh s'emkakh na Kaspiiskom more
(Synchronised surveys of the Caspian Sea)

Lichkov, B.L. (1960) 10-20697 MF
Zap.geogr.Obshch., (19):164
Prirodnye vody Zemli i litosfera
(Natural waters of the Earth and lithosphere)

Tseeb, Ia.Ia. (1961)C 10-20698 MF
In 10-20767
K tipologii solonovatykh i solenykh vodoemov Kryma i kharakteristika ikh fauny
(The typology of brackish and saline waters in the Crimea and a description of their fauna)

ANON. (1965) 10-20699 MF
J.Wat.Poll.Contr.Fed., 37(5):587-646
A review of the literature of 1964 on wastewater and water pollution control

Coughlin, F.J. (1965) 10-20700 MF
Amer.J.publ.Hlth, 55(5):760-72
Detergents and water pollution abatement

Ramdas, L.A. (1963) 10-20701 MF
J.sci.industr.Res., 22(4):160-3
Symposium on water evaporation control

General synopsis with notes on some individual papers. Topics included discussion of the effects of spreading monomolecular alcohol films on oceans and inland waters.

Lüneburg, H. (1963) 10-20702 MF
Veröff.Inst.Meeresforsch., 8(2):111-41
Wassermischvorgänge vor der Weser und Elbmündung
(Water mixing events in the estuaries of Weser and Elbe Rivers)

Behre, K. (1963) 10-20703 MF
Veröff.Inst.Meeresforsch., 8(2):192-47
Die Algenbesiedlung einiger Häfen in
Bremerhaven und ihre Beziehungen zur
Verschmutzung dieser Gewässer
(Algal colonization of some of the ports
of Bremerhaven and its effects on pollution
of these waters)

Sarker, R.P. (1963) 10-20704 MF
Indian J.Met.Geophys., 14:87-9
Comparison of piche and mesh covered standard
U.S.A. pan evaporimeters

BSEA 9(5)3583.

Chaudhuri, J.C. & A.D. 10-20705 MF
Purohit (1963)
Defence Sci.J., 13:87-103
Turbidimetric method of determination of
chloride in brackish water

BSEA 9(8)5237.

Ballinger, D.G. (1963) 10-20706 MF
J.Wat.Poll.Contr.Fed., 35:116-22
Polarographic methods for water and wastes

Berka, A. & P. Hofmann (1963) 10-20707 MF
Analyt.chim.Acta, 28:196-9
New method for determining oxygen in effluent
from the pharmaceutical industry

Kofoed, J.W. (1963) 10-20708 MF
Bull.Mar.Sci.Gulf Caribb., 13(1):1-10
Coastal development in Volusia and Brevard
Counties, Florida

The development of the coastal area in Volusia and Brevard Counties, Florida, since the time of the formation of the upper terrace can be partially interpreted on the basis of the existing land forms. During this time, sea level was approximately 25 feet higher than at present. The configuration of the shoreline and barrier islands is approximated on the basis of this topographic contour.

Spar, J. (1962)C 10-20709 MF
Reading, Mass., Addison-Wesley Publ.Co.,Inc.,
152 p.
Earth, sea and air: A survey of the
geophysical sciences

Summarizes facts in each of four main fields: The earth as a planet, the lithosphere, the hydrosphere, and the atmosphere.

Emery, K.O. (1963) 10-20710 MF
Deep-Sea Res., 10(3):279
Earth, sea and air: A survey of the
geophysical sciences

Re 10-20709.

Vaisfel'd, I.A. (1963) 10-20711 MF
Deep-Sea Res., 10(3):319-22
Modelling oscillatory flow in shallow depths

En 10-10800.

Shelomov, I.K. & M.V. Fedosov 10-20712 MF
(1961)
Trudy azov.-chernomorsk.nauch.-issled.Inst.
morsk.ryb.Khoz., 4:190-201
O krugovorote organicheskogo veshchestva v
vodoemakh
(The cycle of organic matter in waters)

Bashkirov, G. (1961) 10-20713 MF
Morskoi Flot, 9:33-4
Raschet soderzhaniia nasosov na otdel'nykh
vertikaliakh ozer i morei
(Calculating alluvial content on individual
verticals of lakes and seas)

USSR. Akademiia Nauk. Sovet 10-20714 MF
po Problemam Vodnogo Khoziaistva
(1961)C
Moskva, 288 p.
Novye metody izmerenii i pribory dlia
gidravlicheskikh issledovanii
(New methods of measurement and instruments
for hydraulics research)

Khlebovich, V.V. (1961)C 10-20715 MF
In Tez.dokl.i soobshch.Nauchn.konf.posviashch.
40-let.deiatel'nosti Novorossiisk.biol.sta.
:5-9
Zakonomernosti kolichestvennogo i kachestvennogo
raspredeleniia vodnoi fauny v zavisimosti
ot solenosti sredy
(Patterns of quantitative and qualitative
distribution of aquatic fauna in relation to
salinity of the environment)

Kasten, H. (1963) 10-20716 MF
Beitr.Meeresk., (9):14-29
Ein automatisch registrierendes Temperatur-
und Salzgehaltsmessgerät für Messungen in
situ 500 m Tiefe
(Automatic temperature and salinity recorders
for in situ 500 m measurements)

Wilson, R.F. (1964)C 10-20717 MF
Thesis, The University of Texas, 182 p.
Studies of organic matter in aquatic ecosystems

DA 25(11):6858.

Piechura, J. (1962) 10-20718 MF
Prace państwow.Inst.hydrol.met., 68:1-15
Wyniki rejsowych pomiarów hydrologicznych w zalewie Wiślanym w latach 1950-1952 i 1957-1959 oraz charakterystyka jego termiki i zasolenia
(Results of cruise hydrological measurements in the Vistula Firth in the years 1950-1952, and 1957-1959, its temperature and salinity). Pl

Montgomery, H.A.C. et al. (1964) 10-20719 MF
J.appl.Chem., 14(7):1438
Determination of dissolved oxygen by the Winkler method and the solubility of oxygen in pure water and sea water

Weston, R.F. (1964) 10-20720 MF
Industr.Wat.Wastes, 9(1):14-8
A rational industrial viewpoint: the value and use of water quality criteria to protect aquatic life

Cairns, J.,Jr., A. Scheier & N.E. Hess (1964) 10-20721 MF
Industr.Wat.Wastes, 9(1):22-9
The effects of alkyl benzene sulphonate on aquatic organisms

Liu, D.H. et al. (1964) 10-20722 MF
Atom.Prod.oper.U.S.atom.Energy Commn, :209-11
Toxicity of industrial chemicals to fish

La Mer, V.K. & T.W. Healy (1965) 10-20723 MF
Science, 148(3666):36-42
Evaporation of water: its retardation by monolayers

Spreading a monomolecular film on the surface as a tested and economical means of reducing water loss.

Croker, R.A. & A.J. Wilson (1965) 10-20724 MF
Trans.Amer.Fish.Soc., 94(2):152-9
Kinetics and effects of DDT in a tidal marsh ditch

Syazuki, K. (1964) 10-20725 MF
J.Shimonoseki Univ.Fish., 13(3):211 p.
(Studies on the toxic effects of industrial wastes on fishes and shellfishes). Ni En

Description of apparatus used; estimation of lethal concentrations and avoidance concentrations of wastes; effect of pollutants on the oxygen uptake of some fish and shell-fish.

Won, C-H. (1964) 10-20726 MF
Bull.Fish.Coll.Pusan Univ., 6(1):21-32
(Tidal variations of chemical constituents of the estuary water at the laver bed in the Nack-Dong River from Nov. 1962 to Oct. 1963). Korean En

Determination of cyclic and annual variations.

Bick, H. (1963) 10-20727 MF
Bull.World Hlth Org., 29(3):401-13
A review of central European methods for the biological estimation of water pollution levels

Pritchard, D.W. & H.H. Carter (1965)A 10-20728 MF
Tech.Rep.Chesapeake Bay Inst., (33):45 p.
On the prediction of the distribution of excess temperature from a heated discharge in a estuary

Guilcher, A. (1963)C 10-20729 MF
In 10-20083:620-54
Estuaries, deltas, shelf, slope

Estuaries, tidal marshes and flats, and deltas. Continental shelf, continental slope.

Patten, B.C., D.K. Young & C.L. Rutherford (1963) 10-20730 MF
Spec.sci.Rep.Va Inst.Mar.Sci., (45):15 p.
Dark and light bottle studies in the lower York River, Virginia, June 1961-August 1962

Data obtained in 22 productivity experiments performed in situ at a permanent station about 300 yards off the Virginia Institute of Marine Science's pier in the York River are reported.

Orrell, R.F. & E. Klinkhart (Eds)(1963) 10-20731 MF
Spec.sci.Rep.U.S.Fish.Wildl.Serv.-Fish., (453):pag.var.
Stream catalog of southeastern Alaska regulatory district No. 2

Material includes 88 major and numerous minor streams. Information on each stream is presented in three parts: a map, stream description, and the escapement record. Lists each stream by name, number and location; further physical features are described where necessary for positive identification. Format is so designed that future surveys can be recorded and conducted according to a uniform style.

Orrell, R.F. & C. Rosier (Eds) (1963) 10-20732 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (465):pag.var.
Stream catalog of southeastern Alaska regulatory districts Nos. 3 and 4

Material includes 80 major and numerous minor streams. Information on each stream is presented by a stream description and, when available, a map and escapement record. Lists each stream by name, number, location, and further features are described where necessary for positive identification. Format is so designed that future surveys can be recorded and conducted according to a uniform style.

ANON. (1963) 10-20733 MF
J.sci.industr.Res., 22(8):310-3
Symposium on isotope applications in hydrology

Describes work of IAEA in surveying the concentration of hydrogen and oxygen isotopes in water. Discusses its panels of experts on the subject of isotope applications in hydrology and a symposium on the subject held in Tokyo, March 1962. Discusses the use of isotope techniques in problems of surface and ground water.

USPHS (1963) 10-20734 MF
Publ.U.S.publ.Hlth Serv., (847):26 p.
Pollution-caused fish kills in 1963

Morrison, I.R. & A.L. Wilson (1963)B 10-20735 MF
Analyst,Camb., 88:88-9
Absorptiometric determination of silicon in water 1. Formation, stability and reduction of α- and β- molybdosilicic acids

Adem, J. (1963) 10-20736 MF
Trans.Amer.geophys.Un., 44(1):56-7
On the maintenance and prediction of temperatures in the atmosphere - ocean - continent system

Paper M34 presented to the 44th annual meeting of the American Geophysical Union, section of Meteorology. Symposia on Satellite Meteorology and Radiation, Washington D.C., 19 April, 1963.
Abstract only.

Vilentchuk, I. (1965 10-20737 MF
New Scient., 27(463):820-1
Prospects for desalination

Tabata, K. (1965)A 10-20738 MF
Bull.Tokai Fish.Res.Lab., (42):11-6
(Systematic studies on toxic components in industrial wastes with reference to the tolerance of aquatic lives. 2. On acute toxic components in digested waste from ammonium-base semi-chemical pulp mills).
Ni En

Kronberger, H. (1965) 10-20739 MF
New Scient., 28(464):31-3
Fresh water by nuclear power

Some aspects of desalination techniques are discussed.

Inoue, K. (1965) 10-20740 MF
Wld Fishg Ser.,Tokyo, (8):40 p.
(Counter measures for prevention of water pollution in the west European countries).
Ni

Shelomov, I.K., E.V. Sokolova & S.I. Ivchenko (1961)C 10-20741 MF
In 10-20151
Biogennyi stok Dona
(The biogenic discharge of the Don)

Milovidova, N.Iu. (1961) 10-20742 MF
Trudy novoross.biol.Stants., 1961:69-80
Gidrobiologicheskaia kharakteristika sudzhukskoi laguny
(Hydrobiological description of the Sudzhuk Lagoon)

Shibaoka, Y. & F. Iida (1965) 10-20743 F
J.oceanogr.Soc.Japan, 21(3):103-8
On the free oscillation of water in a lake of elliptic boundary

Investigation of the fundamental normal mode of the free oscillation of water in a lake of elliptic boundary and of uniform depth, by the use of Mathieu functions and modified Mathieu functions; relation between frequency of the fundamental normal mode and the eccentricity of the lake's elliptic boundary.

Shnitnikov, A.V. (1964)C 10-20744 F
3546 (399)
Subsecular fluctuations of the level of lakes in western Siberia and northern Kazakhstan and their relationships with climatic fluctuations

En A.V. Shnitnikov, 1951.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Votintsev, K.K. & G.I. Popovskaya 10-20745 F
(1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6):395-8
The limnology of southern Baikal

En 9-11248.

Bayly, I.A.E. & W.D. Williams 10-20746 F
(1964)
Aust.J.Mar.Freshw.Res., 15(2):123-32
Chemical and biological observations on some volcanic lakes in the south-east of South Australia

BAgr. 29(3)19627.

Burke, J.D. (1962) 10-20747 F
J.Elisha Mitchell sci.Soc., 78(2):145-7
Determination of oxygen in water using a 10-ML. syringe

Procedure described maintaining essential chemical entities used in Winkler method and Alsterberg modification.
SFA 8(2)5644.

Eberly, W.R. (1964) 10-20748 F
Invest.Ind.Lakes, 6(3):103-39
Further studies on the metalimnetic oxygen maximum, with special reference to its occurrence throughout the world

Attempt to define the metalimnetic oxygen maximum as a biogenic phenomenon and to discuss the relation of this particular type of oxygen distribution to lake morphometry and lake typology in general.

Stangenberg, M. (1961) 10-20749 F
Mem.Ist.ital.Idrobiol.de Marchi, 13:17-42
Some remarks on the determination and the content of silica in lake waters

Wetzel, R.G. (1965) 10-20750 F
Ecology, 46(4):540-2
Necessity for decontamination of filters in C^{14} measured rates of photosynthesis in fresh waters

Vollenweider, R.A. (1961) 10-20751 F
Mem.Ist.ital.Idrobiol.de Marchi, 13:87-113
Photometric studies in inland waters. 1. Relations existing in the spectral extinction of light in water

Webb, D.W. (1965) 10-20752 F
J.Fish.Res.Bd Can., 22(5):1123-36
Limnological features of Cedar Lake, Manitoba

Tezuka, Y., S. Takii & H. 10-20753 F
Kitamura (1963)
Jap.J.Ecol., 13(5):188-96
(Anaerobic decomposition of organic matter by the microflora of polluted river-waters). Ni En

Sproul, O.J. & D.W. Ryckman 10-20754 F
(1963)
J.Wat.Poll.Contr.Fed., 35(9):1136-45
Significant physiological characteristics of organic pollutants

SFA 10(2)7753.

Musial, L., J. Pudo & W. Labuz 10-20755 F
(1963)
Prace Inst.Gospod.wod., 1(4):11-62
Stan zanieczyszczenia rzeki Skawy
(The pollution state of the River Skawa).
Pl

Czyz, K., B. Koziorowski & J. 10-20756 F
Moraczewski (1963)
Prace Inst.Gospod.wod., 1(3):75-183
Charakterystyka stanu zanieczyswczenia rzeki Wieprz
(Description of the pollution of the River Wieprz). Pl

Ryder, R.A. (1964) 10-20757 F
Trans.Amer.Fish.Soc., 93(3):260-8
Chemical characteristics of Ontario lakes as related to glacial history

Butorin, N.V. & A.S. Litvinov (1963) 10-20758 F
Trud.Inst.Biol.vnutr.Vod, (6):270-302
O techeniiakh v Rybinskom vodokhranilishche
(The currents in the Rybinsk Reservoir)

Dietz, D. & K. Schwabe (1965) 10-20759 F
Chem.Tech., Lpz., 17:164-6
Amperometric determination of chromate in waste waters

Edeline, F. & R. Heuze (1965) 10-20760 F
Bull.Cent.belge Etud.Docum.Eaux, 18(255): 75-9
Sampling of waters contaminated by hydrocarbons

Dorris, T.C., B.J. Copeland & G.J. Lauer (1963) 10-20761 F
Limnol.& Oceanogr., 8(1):79-88
Limnology of the middle Mississippi River
4. Physical and chemical limnology of river and chute

Co 9-03364.

Jacobs, H.L. et al (1965) 10-20762 F
J.Wat.Poll.Contr.Fed., 37:292-315
Water quality criteria - stream vs effluent standards

L'Vovich, M.I. et al. (1961) 10-20763 F
Izv.Akad.Nauk SSSR (geogr.), (6):36-46
Vodnyi balans SSSR i perspektivy ego preoobrazovaniia
(The water balance of the USSR and the perspectives for its transformation)

Goriunova, S.V. & G.N. Rzhanova (1961) 10-20764 F
Usp.sovrem.Biol., 51:369-78
Sostoianie i perspektivy razvitiia metodov liuminestsentnogo analiza v gidrobiologii
(Fluorescent analysis in hydrobiology: the present state and development prospects)

Abal'ian, T.S. (1961) 10-20765 F
Trudy tsent.Inst.Prognozov, 113:3-59
Prognoz mesiachnogo stoka rek Srednei Azii
(Forecasting the monthly discharge of Central Asian rivers)

Vladimirov, K.S. & K.K. Zernov (1961) 10-20766 F
Trud.Inst.Gidrobiol., Kiev, 36:185-93
Fiziko-geograficheskii ocherk pridunaiskikh limanov
(A physico-geographic study of the Danube limans). En

USSR. Akademiia Nauk. Laboratoriia Ozerovedeniia (1961)C 10-20767 F
Moskva, 399 p.
Malye vodoemy ravninnykh oblastei SSSR i ikh ispol'zovanie
(The small ponds and lakes of the Soviet plains and their utilization)

Contains 10-20698, 10-20767 to 10-20816, 10-21104, 10-21619, 10-21709, 10-21710, 10-22020 to 10-22025, 10-23104 to 10-23115.

Savarenskii, A.D. (1961)C 10-20768 F
In 10-20767
Metod vodobalansovykh sootnoshenii dlia raschetov poverkhnostnogo i gruntovogo stoka primenitel'no k malym vodoemam
(The method of water balance relations for calculations of surface run-off and subsoil drainage in relation to small lakes and ponds)

Zinov'eva, E.M., G.N. Petrov & R.S. Petrova (1961)C 10-20769 F
In 10-20767
Nekotorye osobennosti vodobalansovykh raschetov ozer i vodokhranilishch
(Some features of calculations of lake and reservoir hydrological resources)

Nazarov, G.V. (1961)C 10-20770 F
In 10-20767
Izmeneniia uslovii pitaniia prudov v iuzhnom Zavolzh'e v sviazi s agrotekhnicheskimi meropriiatiiami (tezisy dokl.)
(Abstract. Alterations of pond alimentation conditions in the southern Transvolga area in relation to agricultural measures)

Shvets, G.I. (1961)C 10-20771 F
In 10-20767
Usloviia napolneniia vodokhranilishch na territorii Ukrainy
(Conditions of reservoir filling in the Ukraine)

Sorokin, I.N. (1961)C 10-20772 F
In 10-20767
Opyt izucheniia vodnogo balansa malykh vodoemov Kurskoi oblasti
(Experience of investigations of the water balance of small lakes and ponds in the Kursk region)

Orlov, V.I. (1961)C 10-20773 F
In 10-20767
Genezis i morfologiia ozernykh kotlovin zapadno-sibirskoi nizmennosti (tezisy dokl.)
(Abstract. The origin and morphology of lake basins on the west Siberian Lowland)

Kuznetsov, N.T. (1961)C 10-20774 F
In 10-20767
Raschet vodnogo balansa malykh vodoemov severnogo Kazakhstana
(Calculation of the hydrological resources of small lakes and ponds in northern Kazakhstan)

Aref'eva, V.A. (1961)C 10-20775 F
In 10-20767
Limany Prikaspiiskoi nizmennosti i nekotorye osobennosti ikh vodnogo balansa
(The limans of the Caspian lowland and some distinguishing features of their hydrological resources)

Kirillova, T.V. (1961)C 10-20776 F
In 10-20767
Radiatsionnyi balans malykh vodoemov
(The radiation balance of small lakes and ponds)

Ogneva, T.A. (1961)C 10-20777 F
In 10-20767
Osobennosti teplovogo balansa vodnoi poverkhnosti malykh vodoemov
(Features of the heat balance of the water surface in small lakes and ponds)

Smirnova, N.P. (1961)C 10-20778 F
In 10-20767
Pritok tepla na poverkhnost' vodoema za schet solnechnoi radiatsii
(Influx of heat on to the surface of a body of water due to solar radiation)

Timofeev, M.P. & L.V. Nesina (1961)C 10-20779 F
In 10-20767
O vychislenii izmeneniia teplosoderzhaniia vody po meteorologicheskim dannym
(Calculation of alterations in the heat content of water from meteorological data)

Rossolimo, L.L. (1961)C 10-20780 F
In 10-20767
Nekotorye osobennosti temperaturnogo rezhima malykh ozer
(Some distinguishing features of the temperature regime of small lakes)

Izotova, A.F. (1961)C 10-20781 F
In 10-20767
Osobennosti termicheskogo rezhima opytnogo pruda na Karel'skom peresheike
(Distinguishing features of the thermal regime of an experimental pond in the Karelian Isthmus)

Forsh, L.F. (1961)C 10-20782 F
In 10-20767
Isparenie s malykh vodoemov Kurskoi oblasti
(Evaporation from small lakes and ponds in the Kursk region)

Panov, B.P. (1961)C 10-20783 F
In 10-20767
Mnogoletnie izmeneniia srokov vskrytiia i zamerzaniia ozer
(Long-term fluctuations of the periods of thawing and freezing of lakes)

Vishnevskii, P.F. (1961)C 10-20784 F
In 10-20767
Raschety livnevogo stoka na territoriiakh Ukrainskoi SSR i Moldavskoi SSR
(Calculations of rainwater runoff in the Ukraine and the Moldavian SSR)

Malinina, T.I. (1961)C 10-20785 F
In 10-20767
Raspredelenie atmosfernykh osadkov v oblesennom basseine pruda Stalingradskoi oblasti
(Distribution of atmospheric precipitation in the afforested basin of a pond in the Stalingrad region)

Astrakhantsev, V.I. & A.N. Afanas'ev (1961)C 10-20786 F
In 10-20767
Voprosy kadastra i postanovki issledovanii malykh vodoemov Vostochnoi Sibiri (tezisy dokl.)
(Abstract. Problems of site evaluation and investigations of small lakes and ponds in eastern Siberia)

Afanas'ev, A.N. (1961)C 10-20787 F
In 10-20767
O raschete velichiny ispareniia s vodnoi poverkhnosti malykh vodoemov iuzhnoi chasti Sibiri
(Calculation of the volume of evaporation from the surface of small lakes and ponds in southern Siberia)

Aizenberg, M.M. & 10-20788 F
B.M. Steingol'ts (1961)C
In 10-20767
Gidrograficheskie i morfologicheskie kharakteristiki prudov UkrSSR (tezisy dokl.)
(Abstract. Hydrographical and morphological characteristics of Ukrainian ponds)

Litovchenko, Iu.V. (1961)C 10-20789 F
In 10-20767
Rezhim malykh vodoemov iuga Ukrainy
(The regime of small lakes and ponds in the southern Ukraine)

Kuznik, I.A. (1961)C 10-20790 F
In 10-20767
Vliianie prosteishikh agronomicheskikh meropriiatii na izmenenie uslovii erozii i zailenie malykh vodoemov v Zavolsh'e
(The effect of simple farming measures on modification of erosion conditions and silting in small lakes and ponds in the Transvolga area)

Drozd, N.I. (1961)C 10-20791 F
In 10-20767
Intensivnost' vodnoi erozii i zailenie vodokhranilishch na malykh rekakh UkrSSR
(Rate of water erosion and the silting of reservoirs on the small rivers of the Ukraine)

Sukhrev, I.P. (1961)C 10-20792 F
In 10-20767
Zailenie malykh vodoemov i bor'ba s nim v usloviiakh Voronezhskoi oblasti
(The silting of small lakes and ponds and its control in the Voronezh region)

Lopatin, G.V. (1961)C 10-20793 F
In 10-20767
Zailenie malykh vodoemov v Kurskoi oblasti
(The silting of small lakes and ponds in the Kursk region)

Bochkov, N.M. (1961)C 10-20794 F
In 10-20767
Zailenie vodokhranilishch promyshlennymi nanosami. (tezisy dokl.)
(Abstract. The silting of reservoirs by industrial waste)

Iakovleva, L.V. (1961)C 10-20795 F
In 10-20767
Plotnost' ilovykh otlozhenii malykh vodoemov TsChO
(The density of silt deposits in small lakes and ponds of the central black earth region)

Korde, N.V. (1961)C 10-20796 F
In 10-20767
O tipakh biostratifikatsii otlozhenii russkikh sapropelevykh ozer (tezisy dokl.)
(Abstract. Types of faunal stratification in the deposits of Russian sapropelic lakes)

Nikolaenko, V.D. (1961)C 10-20797 F
In 10-20767
Lesomeliorativnye meropriiatiia po zashchite malykh vodokhranilishch ot zaileniia
(Forest improvement measures for the protection of small reservoirs against silting)

Zhilkov, L.G. (1961)C 10-20798 F
In 10-20767
Gidromekhanizatsiia na ochistke kanalov, prudov i vodoemov (tezisy dokl.)
(Abstract. Hydromechanization in the cleaning of canals, ponds and reservoirs)

Vedeniapin, V.E. (1961)C 10-20799 F
In 10-20767
O zailenii i kol'matatsii vodoemov s povyshennoi fil'tratsiei v Voronezhskoi oblasti
(The silting and colmatage of lakes and ponds with enhanced seepage in the Voronezh region)

Voronkov, P.P. (1961)C 10-20800 F
In 10-20767
Osobennosti formirovaniia khimicheskogo sostava vody malykh vodoemov
(Distinctive features in formation of the chemical composition of the water in small lakes and ponds)

Bochkov, N.M. (1961)C 10-20801 F
In 10-20767
Metodika prognoza kachestva vody v malykh vodoemakh (tezisy dokl.)
(Abstract. Procedure for forecasting the quality of water in small reservoirs)

Tarasov, M.N. (1961)C 10-20802 F
In 10-20767
Formirovanie ionnogo sostava i gidrokhimicheskii rezhim prudov severo-vostochnogo Priazov'ia
(Formation of ionic composition and hydrochemical regime of ponds in the northeastern Azov region)

Tseeb, Ia.Ia. (1961)C 10-20803 F
In 10-20767
Gidrobiologicheskaia kharakteristika krymskikh vodokhranilishch za 20 let ikh sushchestvovaniia
(Hydrobiological characteristics of the Crimean reservoirs during the 20 years of their existence)

Konenko, A.D. (1961)C 10-20804 F
In 10-20767
O formirovanii khimicheskogo sostava vody prudov Inguletskogo massiva orosheniia
(Formation of the chemical composition of pond water in the Ingulets irrigation area)

Degopik, I.Ia. (1961)C 10-20805 F
In 10-20767
Gidrokhimicheskii rezhim malykh vodoemov na primere odnogo iz vodokhranilishch Kurskoi oblasti
(The hydrochemical regime of small bodies of water taking as an example one of the reservoirs in the Kursk region)

Rozinoer, I.M. (1961)C 10-20806 F
In 10-20767
Gidrokhimicheskii rezhim nekotorykh prudov Voronezhskoi oblasti (tezisy dokl.)
(Abstract. The hydrochemical regime of certain ponds in the Voronezh region)

Kriventsov, M.I. (1961)C 10-20807 F
In 10-20767
Gidrokhimicheskii rezhim Veselovskogo vodokhranilishcha
(The hydrochemical regime of the Veselovskoe reservoir)

Lubianov, I.P. (1961)C 10-20808 F
In 10-20767
Gidrobiologicheskii rezhim kaskada vodokhranilishch na r. Psel.
(The hydrobiological regime of the stepped series of reservoirs on the R. Psel.)

Abrosov, V.N. (1961)C 10-20809 F
In 10-20767
Osnovnye regional'nye cherty ozer istokov rek Volgi, zapadnoi Dviny, Lovati i Velikoi
(Principal regional features of the source lakes of the Volga, the w. Dvina, the Lovat' and the Velikaia)

Mosevich, N.A. (1961)C 10-20810 F
In 10-20767
Zimnii kislorodnyi defitsit v ozerakh i ego preduprezhdenie putem aeratsii
(The winter oxygen deficit in lakes and its prevention by aeration)

Reshetnikov, P.M. (1961)C 10-20811 F
In 10-20767
Pnevmaticheskii aerator dlia zamornykh rybokhoziaistvennykh vodoemov
(A pneumatic aerator for frozen fish ponds)

Meisner, E.V. (1961)C 10-20812 F
In 10-20767
Znachenie vodnogo rezhima dlia gidrokhimicheskogo rezhima i kormovoi bazy ryb v malykh vodokhranilishchakh kanala im. Moskvy
(The significance of the water regime for the hydrochemical regime and food base of fishes in the small reservoirs of the Moscow canal)

Kazarnovskii, Iu.E. (1961)C 10-20813 F
In 10-20767
Gidrologicheskoe i vodokhoziaistvennoe obosnovanie proektov sel'skokhoziaistvennykh prudov i vodoemov
(The hydrological and water-utilization basis for plans for agricultural ponds and lakes)

Zhelezniak, I.A. (1961)C 10-20814 F
In 10-20767
O metodike raschetov transformatsii pavodkovogo stoka malymi vodoemami
(Procedure for calculating the transformation of floodwater discharge by small lakes and ponds)

Tsinger, V.N. (1961)C 10-20815 F
In 10-20767
Transformatsiia maksimal'nykh raskhodov s uchetom predpavodkovoi srabotki malykh vodokhranilishch
(The transformation of maximum discharges with allowance for utilization of small reservoirs during floods)

Zhirnov, A.Z. (1961)C 10-20816 F
In 10-20767
Opyt stroitel'stva trubchatykh vodosbrosov na prudakh i vodoemakh v Orlovskoi oblasti
(Experience of the construction of piped water escapes in ponds and lakes in the Orlov region)

McKinney, R.E. & J.T. Pfeffer 10-20817 F
(1965)
Amer.J.publ.Hlth, 55(5):772-83
Effect of biological waste treatment on water quality

Coulter, G.W. et al. (1965) 10-20818 F
Nature, Lond., 206(4979):4-6
Unique opportunities for research in the Great Lakes of central Africa

Shiraishi, Y., T. Shimada & Y. Furuta (1964) 10-20819 F
Bull.Freshw.Fish.Res.Lab., 14(1):37-44
(Fundamental study of Lake Yunoko for its fisheries development. 1. Survey of the morphometric features). Ni En

Report of survey of basin by lead sounding in 1952 and echo-sounding in 1961-62; estimated area of lake and water volume.

Shiraishi, Y. (1964) 10-20820 F
Bull.Freshw.Fish.Res.Lab., 14(1):45-53
(Fundamental study of Lake Yunoko for its fisheries development. 2. Survey on the water temperature). Ni En

Relation between water temperature and wind direction; comparison between main basin and sub-basin of lake; seasonal variation of vertical distribution of water temperature.
Co 10-20819.

Rakusa-Suszczewski, St. (1963) 10-20821 F
Polsk.Arch.Hydrobiol., 11(24)(2):169-88
Thermics and chemistry of shallow fresh water pools in Spitzbergen

Dahl, J. (1963) 10-20822 F
Trans.Amer.Fish.Soc., 92(3):260-4
Transformation of iron and sulphur compounds in soil, and its relation to Danish inland fisheries

Discusses effects of pyrites and lignite mining drain water on streams and fishes, and the use of calcium hydroxide or slaked lime to counteract these substances.

Illies, J. & L. Botosaneanu (1963) 10-20823 F
Mitt.int.Ver.Limnol., (12):57 p.
Problèmes et méthodes de la classification et de la zonation écologique des eaux courantes, considerées surtout du point de vue faunistique
(Problems and methods of classification and ecological zonation of running waters considered especially from the faunistic point of view)

A survey of the literature and suggestions for typology.

Kohler, M.A. (1963) 10-20824 F
WMO Bull., 12(4):193-7
The international hydrological decade

States the need for an international programme and outlines procedures for carrying it out.

Liebman, H. (1963) 10-20825 F
Wass.u.Abwass., (3):unpag.3 p.
Mineralöl im Wasser - Möglichkeiten seiner Zurückhaltung und Reinigung
(Mineral oil in water - facilities for its retention and purification)

Delineates results of oil fouling, considers causes, and outlines measures for monitoring supply systems. Also discusses the purification of refinery effluents.

Liebman, H. (1963) 10-20826 F
Wass.u.Abwass., (5):unpag.3 p.
Die Fernhaltung von Abwässern aus Seen
(On keeping effluent out of lakes)

Summarises current difficulties and proposes two possible solutions: either effluents should be piped round to a release point below the outflow or a third, chemical, stage for eliminating phosphates should be added to mechanical and biological purification in plants discharging directly into lakes.

Müller, H. (1963) 10-20827 F
Dtsch.Fisch.-Ztg, 10(7):189-200
Richtlinien für die Klassifizierung fischereiwirtschaftlich genutzter Seen Norddeutschlands
(Guiding principles for the classification of lakes used for fishing purposes in northern Germany)

Mitra, S. (1963) 10-20828 F
J.Ass.Engrs,Calcutta, 39:4-16
Sewage treatment and disposal with reference to Calcutta

BSEA 9(7)4480.

Dairbaev, M. (1961)C 10-20829 F
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:73-6
K formirovaniiu ikhtiofauny Dzhezkazganskogo vodokhranilishcha
(Towards the formation of a fish fauna in the Dzhezkazgan Reservoir)

Stern, D.H. (1964)C 10-20830 F
Thesis, University of Illinois, 284 p.
A limnological study of the microbiota, especially the Protozoa, of a small artificial pond in east-central Illinois

DA 25(11):6857.

Włodek, S. (1962)A 10-20831 F
Roczn.Nauk rol.(B), 81(2):251-74
Wpływ nawozenia organicznego na nasilenie i obieg materii w zbiornikach wodnych
(The effect of organic fertilization on the intensity of metabolism and circulation of food materials in water reservoirs). Pl
En Ru

Dojlido, J. & A. Gajewski (1962) 10-20832 F
Gospod.wodna, 22:283-4
Uwagi o stanie zanieczyszczenia rzeki Liwiec w latach 1959-60. 1
(Remarks on pollution of the River Liviec in the years 1959-60. 1). Pl

Physical, chemical, bacteriological, and hydrobiological investigations were carried out. As a result of hydrobiological studies, the quantitative and qualitative compositions of bioseston and benthos have been established. Based on the indicatory species, saprogenic conditions in the river were measured.

Dojlido, J. & A. Gajewski (1962) 10-20833 F
Gospod.wodna, 22:331-2
Uwagi o stanie zanieczyszczenia rzeki Liwiec w latach 1959-60. 2
(Remarks on pollution of the River Liviec in the years 1959-60. 2). Pl

Co 10-20832.

Biliński, J., K. Czyz &
A. Praszkiewicz (1962) 10-20834 F
Gospod.wodna, 22:332-4
Niektóre wyniki badań stanu zanieczyszczenia rzeki Wkry
(Some results of studies on pollution in the River Wkra). Pl

Physical and chemical, biological, and bacteriological investigations carried out at 13 chosen stations on the river. Seasonal changes in the dominant species of phyto- and zooplankton were discussed. Degree of pollution was defined.

Dappert, A.F. (1964) 10-20835 F
Industr.Wat.Wastes, 9(1):29-32
New York pollution control policy and Lake Erie

Eagle, G.H. (1963) 10-20836 F
Industr.Wat.Wastes, 8(5):19-22
Ohio pollution control policy and Lake Erie

Kovarik, V.J. & H.D. Tomlinson 10-20837 F
(1963)
Industr.Wat.Wastes, 8(5):22-31
A field investigation of hydrogen sulfide and sulfuric acid formation in sewers

Winter, J.W. (1964) 10-20838 F
Proc.N.Z.ecol.Soc., (11):16-23
A survey of Lake Roxburgh, a recent hydro-electric dam

Morphometry; chemical analysis; fluctuations in water level; water temperature; siltation and transparency; shore profiles and classification; macroflora, plankton, bottom fauna and fish in lake.

Hynes, H.B.N. (1963) 10-20839 F
Proc.int.Congr.Zool., 16(4):324-9
Imported organic matter and secondary productivity in streams

Insists on the prime importance of organic matter derived from surrounding territory to the productivity of running waters.
Pr 62-078me.
Abstract only.

Schultz, V. (Ed.)(1963)C 10-20840 F
U.S. Atomic Energy Commission, TID-13358, 122 p.
Offsite ecological research of the division of biology and medicine - terrestrial and freshwater

Contains: The ecology and taxonomy of the organisms collected on the Savannah River, surveys, 1951-1960; Nuclide uptake by algae and zooplankton; Rates, amounts, nuclide origin and effects of radiation aquired by fresh and salt-water organisms under experimental control; The fate of radioactive iron and zinc in natural surface waters; A radioecological study of the biota of Doe Run, Meade County, Kentucky; Fates and effects of radionuclides in aquatic food chains; A study of phosphorus cycling and productivity in a stream ecosystem; Studies in the ecology of fresh-water algae in North Carolina; Uptake of metalic ions by the freshwater snail, Australorbis glabratus; Studies on the productivity of vascular hydrophytes and their role in mineral cycling in aquatic ecosystems; Radionuclides and freshwater clams; Laboratory studies on the effect of radium on aquatic organisms; Aquatic Myxobacteria: Chondrococcus columnaris.

Jordan. Central Water Authority 10-20841 F
(1963)
Tech.Pap.Hydrol.Div.cent.Wat.Author.Jordan,
(31):unpag.
Rainfall in Jordan in the water year 1961/
1962

Vivier, P. (1963) 10-20842 F
Bull.Cons.sup.Pêche, (53):3-11
Impressions d'un voyage d'études aux États-
Unis et au Canada (27 juillet-7 septembre
1962)
(Review of a study tour in the United States
and Canada (27 July - 7 September 1962))

Considers the rivers and their fisheries, fish-culture, fishery services and aquariums and water pollution.

Senvar, C.B. & U. Yücelik 10-20843 F
(1963)
Atompraxis, 9:222-3
Removal of fallout radionuclides from water

Describes decontamination by filtration through sand, soil or activated carbon.

Morrison, I.R. & A.L. Wilson 10-20844 F
(1963)B
Analyst,Camb., 88:100-4
Absorptiometric determination of silicon in
water 2. Determination of 'active' silicon
in power-station waters

Co 10-20735.

Ree, W.R. (1963) 10-20845 F
J.Amer.Wat.Wks Ass., 55:275-81
Emergency alum treatment of open reservoirs

Use of alum to control turbidity caused by inflow of muddy streams during storms.

Ingols, R.S. & R.D. Wilroy 10-20846 F
(1963)
J.Amer.Wat.Wks Ass., 55:282-90
Mechanism of manganese solution in lake water

ANON. (1963) 10-20847 F
Bull.int.atom.Energ.Ag., 5(3):11-7
Isotope applications in hydrology

Discusses techniques used for tritium measurements, river flow and mixing, and ground-water studies, etc. Discusses work of IAEA in these fields.

Csanady, G.T. (1963) 10-20848 F
Trans.Amer.geophys.Un., 44(1):59-60
Thermocline movements at Douglas Point,
Lake Huron

Paper 04 presented to the 44th annual meeting of the American Geophysical Union, section of Oceanography. Physical and Chemical Properties of the Ocean, Washington D.C., 17 April, 1963. Abstract only.

Kazarnovskii, M.Ia. (1961) 10-20849 F
Ryb.Promyshl.dal.Vost., (9):10
Ozero Sladkoe (Sakhalin) - tsennyi vodoem
(A valuable lake: Lake Sladkoe, Sakhalin)

Stange-Bursche, E-M. (1964) 10-20850 F
Int.Rev.Hydrobiol., 49(2):361-74
Der Algentest zur Bewertung der
Gewässergüte: Diskussion und Prüfung im
ökologischen Experiment
(The algal test for evaluation of the water
quality: discussion and test in ecological
experiment). En

Lake water was tested with and without addition of nutrients and with differently treated algae material.

Gross, M.G., C.A. Barnes & 10-20851 F
G.K. Riel (1965)
Science, 149(3688):1088-90
Radioactivity of the Columbia River
effluent

Coin, L. et al. (1964) 10-20852 F
J.Wat.Poll.Contr.Fed., 36(3):268-9
Microbiological and virological aspects
of water pollution

LZ 10(3)9149.

Paluch, J. (1964) 10-20853 F
Wiss.Z.Karl-Marx-Univ.Lpz.math.-nat.R., 13(1):
31-5
Die Bedeutung der Bakterien für die
Abwasserreinigung und die Gütebeurteilung
der Gewässer
(The significance of bacterial for the
cleaning of polluted waters and for
bonitation of waters)

LZ 10(1)9119.

Tabata, K. (1965)A 10-20854 MF
Bull.Tokai Fish.Res.Lab., (42):17-21
(Systematic studies on toxic components
in industrial wastes with reference to
the tolerance of aquatic lives. 3. On
acute toxic components in water-extract
liquor from bark). Ni En

Richardson, J.L. (1965)C 10-20855 F
Thesis, Duke University, 512 p.
The history of an African Rift lake: an interpretation based on current regional limnology

DA 26(1):561.

Young, G.K. et al. (1964) 10-20856 F
J.Wat.Poll.Contr.Fed., 36(3):395, 398
Chemical reduction of nitrate in water

LZ 9(10)9136.

Hanya, T. & M. Hirayama (1964) 10-20857 F
J.Wat.Poll.Contr.Fed., 36(3):284
Factors influencing gas exchange between fresh water and air

LZ 10(2)9143.

Beak, T.W. (1964) 10-20858 F
J.Wat.Poll.Contr.Fed., 36(3):282
A biotic index of polluted streams and its relationship to fisheries

LZ 10(2)9148.

Jaag, O. & E. Märki (1964) 10-20859 F
Schweiz.Z.Hydrol., 26(1):1-51
Untersuchungen über die Trübungsverhältnisse, die Durchsichtigkeit und die Wasserfarbe in schweizerischen Gewässern
(Investigations on the darkening conditions, transparency, and water color in the waters of Switzerland)

Wagner, G. (1964) 10-20860 F
Schweiz.Z.Hydrol., 26(1):52-68
Untersuchungen am zugefrorenen Bodensee
(Investigations on the ice-covered Lake Constance)

Kjensmo, J. (1964) 10-20861 F
Schweiz.Z.Hydrol., 26(1):69-73
Exchange of iron between mud and water in a small Norwegian lake

Obenaus, R. (1964) 10-20862 F
Schweiz.Z.Hydrol., 26(1):74-90
Huminsäuren natürlicher Gewässer. Quantitative Bestimmung und Charakterisierung durch ihre oxydimetrischen Eigenschaften. 2. Mitteilung: Quantitative Bestimmung der Huminsäuren
(The ulmic acids of natural waters. Quantitative determination and characterization by means of their oxydimetric properties. 2. Communication: Quantitative determination of ulmic acids)

Razumov, A.S. (1961) 10-20863 F
Mikrobiologiia, 30:938-45
Mikrobial'nye pokazateli saprobnosti vodoemov, zagriaznennykh promyshlennymi stochnymi vodami. Fiziologiia i ekologiia nitchatykh bakterii iz roda Cladothrix
(Microbial indicators of saprobic infestation of waters contamined by industrial sewage. Physiology and ecology of filamentous bacteria of the genus Cladothrix). En

USPHS (1964) 10-20864 FG
Radiol.Hlth Data, 5(12):579-634

Contains section on "water" tabulating data on gross radioactivity and strontium-90 in surface waters of the U.S.A., June 1964, for radioactivity in New York surface water supply, July 1962-June 1964; also global integrals of fallout, etc.

Nehring, D. (1963) 10-20865 FG
Dtsch.Fisch.-Ztg, 10(12):358-68
Methodik zur chemischen Untersuchung von Teichböden
(Methods for chemical investigation of pond bottom sediments)

Stocklin, P.L. (1963)C 10-20866 G
In 10-20026, Pap.(17):13 p.
Space-time sampling and likelihood ratio processing in acoustic pressure fields

Issued also as: J.Br.Instn Radio Engrs, 26(1):79-91.

Laughton, A.S. (1963)C 10-20867 G
In 10-20083:437-72
Microtopography

Classification of microtopographic features.

Aangström, A. (1965) 10-20868 G
WMO Bull., 14(3):157-61
Solar radiation measurements and the solar aureole

Kanaev, A. (1961) 10-20869 G
Rybovod.i Rybolov., (3):27
Areometr-solemer
(The aerometer-salimeter)

ICC (1963) 10-20870 G
ICC Newslett., (1):unpag.4 p.

Brief monthly notes on the International Computation Centre, Rome, Italy, dealing with courses, seminars and conferences arranged, terminology, publications and library, activities of staff, the computers available and their programs, governing bodies.

PLANKTON

Johnson, M.W. (1963)C 10-20871 M
In Proceedings. Arctic Basin Symposium, Hershey, Pa., October 1962, pp. 173-84
Arctic Ocean plankton

Issued also as: Contr.Scripps Instn Oceanogr., (1592), 1964.

Thomas, W.H. (1963)C 10-20872 M
In Proceedings of the conference of primary productivity measurements, marine and freshwater. Ed. by M.S. Doty, U.S. Atomic Energy Comm., TID-7633:147-62
Physiological factors affecting the interpretation of phytoplankton production measurements

Issued also as: Contr.Scripps Instn Oceanogr., (1526), 1964.

Lewin, J.C. (1963)C 10-20873 M
In 9-08019:229-35
Heterotrophy in marine diatoms

Issued also as: Contr.Scripps Instn Oceanogr., 33(1473), 1964.

Herman, S.S. (1963) 10-20874 M
Limnol.& Oceanogr., 8(1):103-9
Planktonic fish eggs and larvae of Narragansett Bay

Parker, F.L. (1962) 10-20875 M
Micropaleontologist, 8(2):219-54
Planktonic foraminiferal species in Pacific sediments

Planktonic species of Foraminifera in the recent sediments of the Pacific are discussed within the framework of a modified classification. Two families, Globigerinidae and Globorotaliidae, are represented. Three new species, Globigerina calide, Globorotalia pumilio and Globorotalia iota, are described. Gross distributional data in the South Pacific are given for each species.

Bernard, F. (1965) 10-20876 M
Pelagos, 2(4):7-43
Monographie du genre LITHOTAENIA nov. gen., Coccolithophorides pélagiques en forme de ruban
(Monograph of the genus LITHOTAENIA nov. gen., pelagic Coccolithophoridaceae in form of ribbons). En

Hastings, J.W., B.M. Sweeney & M.M. Mullin (1962) 10-20877 M
Ann.N.Y.Acad.Sci., 99(2):280-9
Counting and sizing of unicellular marine organisms

Hirota, R. (1962) 10-20878 M
J.oceanogr.Soc.Japan, 18(1):35-40
Species composition and seasonal changes of copepod fauna in the vicinity of Mukaishima

Nagabhushanam, R. & K. Rangarao (1964) 10-20879 M
J.Anim.Morph.Physiol., Baroda, 11(1):192-8
Responses of the black chromatophores of the prawn, Metapenaeus monoceros, to light and temperature

ISA 1(4)3682.

Parke, M. & I. Manton (1962) 10-20880 M
J.Mar.biol.Ass., U.K., 42(2):391-404
Studies on marine flagellates. 6. Chrysochromulina pringsheimii sp. nov.

Co 59-2617.

Hattori, S. (1962) 10-20881 M
Bull.Tokai Fish.Res.Lab., (9):211-20
Predatory activity of Noctiluca on anchovy eggs

Nakai, Z. (1962) 10-20882 M
Bull.Tokai Fish.Res.Lab., (9):221-37
Apparatus for collecting macroplankton in the spawning surveys of iwashi (sardine, anchovy, and round herring and others)

Nakai, Z. & S. Hattori (1962) 10-20883 M
Bull.Tokai Fish.Res.Lab., (9):23-60
Quantitative distribution of eggs and larvae of the Japanese sardine by year, 1949 through 1951

Uyeno, F. (1961) 10-20884 M
Rep.Fac.Fish.Univ.Mie, 4(1):1-64
Oceanographical and ecological studies on primary production of the sea, with special references to relationship between diatom production and temperature and chlorinity of water

Kramp, P.L. (1963) 10-20885 M
Medd.Grønland, 81(7):115 p.
Summary of the zoological results of the GODTHAAB expedition 1928

Pelagic and bottom fauna, Davis Strait and Baffin Bay.

Koblentz-Mishke, O.I. (n.d.)C 10-20886 M
ETC, TT-65-60688:3 p.
The distribution of certain varieties of phytoplankton in relation to the principal currents in the western part of the Pacific Ocean

En 58-4490.
Available from European Translations Centre, Delft, Netherlands.

Ponomareva, L.A. (1964)B 10-20887 M
Trud.Inst.Okeanol., 64:265-70
(On the Euphausicaea of the Arabian Sea and the Bay of Bengal). Ru

Ponomareva, L.A. (n.d.)C 10-20888 M
ETC TT-64-23622:6 p.
On the Euphausicaea of the Arabian Sea and the Bay of Bengal

En 10-20887.
Available from European Translations Centre, Delft, Netherlands.

Snopkov, Yu.I. & V.M. Grinberg (n.d.)C 10-20889 M
NLL M.5088:4 p.
The determination of the relation between phytoplankton and photosynthesis and submarine illumination in the waters of the central part of the Atlantic

En Snopkov, Iu.I. & V.M. Grinberg, 1959.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Nielsen, E.S. (1964)C 10-20890 M
In 10-20152:119-30
Recent advances in measuring and understanding marine primary production

Laval, P. (1965) 10-20891 M
C.R.hebd.Séanc.Acad.Sci.,Paris(12), 260(23):6195-6
Présence d'une période larvaire au début du développement de certains Hypérides parasites (Crustacés Amphipodes)
(Existence of a larval period at the initial stages of development of certain parasitic Hyperidia (Crustacea Amphipoda))

Reports observations on Vibilia armata, V. propinqua, Hyperia schizogeneios, Bougisia ornata and Lycaeopsis thermistoides.

Robinson, G.A. (1965) 10-20892 M
Bull.Mar.Ecol., 6(4):104-22
Continuous plankton records: Contribution towards a plankton atlas of the North Atlantic and the North Sea. 9. Seasonal cycles of phytoplankton

Based on data collected at depth of 10 m by the continuous plankton recorder from 1948 to 1957, describes the average monthly distributions of 11 diatoms and 7 dinoflagellates in the north-east Atlantic Ocean and the North Sea. Describes and illustrates the seasonal succession of species of phytoplankton in different parts of the survey area.
Co 9-04140.

Boulesteix, R. (1965) 10-20893 M
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(6):1767-8
Sur la présence de l'allantoïnase de l'allantoïcase et de l'uréase chez les Crustacés
(On the presence of allantoïnase, of the allantoïcase and of urease in crustaceans)

Preliminary note reporting results of research on various spp. of Phyllopoda, Cladocera, Cirripoda, Isopoda, Amphipoda and Decapoda.

Juchault, P. & J.-J. Legrand (1965) 10-20894 M
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(6):1783-6
Contribution à l'étude expérimentale de l'intervention des neurohormones dans le changement de sexe d'Anilocra physodes (Crustacé, Isopode, Cymothoidae)
(Contribution to the experimental study of the action of the neurohormones in the sex change of Anilocra physodes (Crustacea, Isopoda, Cymothoidae))

Cholnoky, B.J. (1963) 10-20895 M
Bot.mar., 5(2/3):38-83
Beiträge zur Kenntnis des marinen Litorals von Südafrika
(Contribution to the knowledge of the marine littoral of South Africa). En

Study on the diatom flora from 3 stations on the Cape.

Chislenko, L.L. (1964) 10-20896 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 155(1-6):188-90
On the existence of a relationship between the fecundity and population of marine Harpaticoida (Crustacea, Copepoda)

En 9-11177.

Khailov, K.M. (1964) 10-20897 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 155(1-6):237-9
The formation of organometallic complexes with the participation of external metabolites of marine algae

En 9-11173.

Petipa, T.S. (1964) 10-20898 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6):361-4
Diurnal rhythm of the consumption and accumulation of fat in Calanus helgolandicus (Claus) in the Black Sea

En 9-11123.

Niaussat, P.-M. & R. Bourcart 10-20899 M
(1963)
Cah.océanogr., 15(10):722-5
Contribution à la étude du plancton dans les eaux de l'embouchure de la Gironde. Prédominance du dino-flagelle Noctiluca miliaris
(A contribution to the study of the plankton of the waters at the mouth of the Gironde. Predominance of the dinoflagellate Noctiluca miliaris)

Balech, E. & H.J. Ferrando 10-20900 M
(1964)C
Buenos Aires, Editorial Universitaria, 157 p.
Fitoplancton marino
(Marine phytoplankton)

BAgr. 29(4)28909.

Marshall, S.M. & A.P. Orr 10-20901 M
(1964)
Symp.Brit.ecol.Soc., 4:227-38
Grazing by copepods in the sea

BAgr. 29(3)20179.

Tsumura, K. (1964) 10-20902 M
Amatores Herb., 25(1/2):18-21
(Reference to the determination of type specimens of Diatomaceae). Ni

BAgr. 29(1)235.

Burlini, G., T. Ermoli & A.M. 10-20903 M
Varagnolo (1963)
Pubbl.Ist.Zool.Anat.comp.Univ.Padova, 25(17): 285-92
(Preliminary notes on the variation in stations of plankton of the upper Tyrrhenian Sea). It

BAgr. 29(1)648.

Meyers, S.P., W.A. Feder & 10-20904 M
M.T. King (1964)
Devs ind.Microbiol., 5:354-64
Studies of relationships among nematodes and filamentous fungi in the marine environment

BAgr. 29(1)675.

Nielsen, E.S. & T.S. Park 10-20905 M
(1964)
J.Cons., 29(1):19-24
On the time course in adapting to low light intensities in marine phytoplankton

At Friday Harbour, surface plankton was enclosed in bottles suspended at a depth of low light concentration; it took 3 days for the plankton to become adapted to the low light intensity.

Sorokin, J.I. (1964) 10-20906 M
J.Cons., 29(1):25-40
A quantitative study of the microflora in the central Pacific Ocean

Describes new types of water samplers for deep-sea microbiological sampling used during the cruise of R.V. VITIAZ. Estimates were made of the vertical distribution of the number of heterotrophic bacteria grown on the fish peptone media, the number of biomass of bacteria by direct microscopic count.

Sorokin, J.I. (1964) 10-20907 M
J.Cons., 29(1):41-60
On the primary production and bacterial activities in the Black Sea

Calculates the average daily photosynthetic production obtained by the C14 method, and also the daily production of hydrogen sulphide by bacterial sulphate reduction with the aid of S35 sulphate.

Raitt, D.F.S. (1964) 10-20908 M
J.Cons., 29(1):65-72
Scottish redfish larval investigations in 1962 with some observations on mid-oceanic echo-traces

Describes an echo/plankton survey off south-west Iceland with a large concentration of redfish larvae west of the Reykjanes Ridge. Variations in patterns of sub-caudal melanophors of Sebastes mentella and S. marinus larvae are discussed.

Iashnov, V.A. (1963)BC 10-20909 M
In Papers of the conference on the problem Interaction between the atmosphere and the hydrosphere in the North Atlantic, Vol. 3-4, Pap.no.13:61-5
(Plankton as currents and water masses indicator (according to the collections of the first cruise of MICHAEL LOMONOSOV)).
Ru

Yashnov, V.A. (1963)C 10-20910 M
5828.4 (5285)
Plankton as currents and water masses indicator (according to the collections of the first cruise of MICHAEL LOMONOSOV)

En 10-20909.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Saijo, Y. & K. Takesue (1965) 10-20911 M
J.oceanogr.Soc.Japan, 20(6):264-71
Further studies on the size distribution of photosynthesizing phytoplankton in the Indian Ocean

Measurement of size distribution of phytoplankton; photosynthetic rate of size fractions at different depths; rate of dark fixation in each size fraction; photosynthetic activity by unit amount of chlorophyll-a.

Teshirogi, W. & G. Itagaki (1965) 10-20912 M
Zool.Mag.,Tokyo, 74(2):38-45
(The chromosomes of Dugesia species, a Japanese freshwater planarian known as Dugesia gonocephala). Ni En

Morphology of chromosomes of Japanese Dugesia and comparison with those of the European D. gonocephala.

Saraswathy, M. (1964) 10-20913 M
J.Mar.biol.Ass.India, 6(1):173-4
New record of the cyclopoid copepod Hersiliodes latericia (Grube) from the Indian waters

Illustration and note on collection.

Pillay, K. K. (1964) 10-20914 M
J.Mar.biol.Ass.India, 6(1):169-70
On the occurrence of Podophthalmus vigil (Fabricius) (Decapoda: Crustacea) on the west coast of India

Brief note on occurrence, distribution and biology.

Vinogradova, Z.A. (1960) 10-20915 M
Uchen.Zap.odess.biol.Sta., (2):99-101
Biokhimicheskii sostav i kaloriinost' dvukh vidov mizid Chernogo moria (Biochemical composition and calorific value of two Black Sea mysids). Uk
Ru

Vinogradova, Z.A. (1960) 10-20916 M
Uchen.Zap.odess.biol.Sta., (2):3-36
Dinamika biokhimicheskogo sostava i kaloriinosti planktona Chernogo moria v sezonnom i geograficheskom aspektakh (Seasonal and geographic aspects of the dynamics of biochemical composition and calorific value in Black Sea plankton).
Uk Ru

Kay, R.H. (1965) 10-20917 M
Proc.roy.Soc.(B), 162(988):365-86
Light-stimulated and light-inhibited bioluminescence of the euphausiid Meganyctiphanes norvegica (G.O. Sars)

Thompson, T.E. (1965) 10-20918 M
Nature,Lond., 206(4987):954-5
Epidermal acid-secretion in some marine polyclad Turbellaria

The chemistry of the secretion in two British polyclads, Cycloporus papillosus and Stylostomum ellipse was investigated.

MacLeod, R.A. (1965) 10-20919 M
Bact.Rev., 29(1):9-25
The question of the existence of specific marine bacteria

Henninger, M.D., H.N. Bhagavan & F.L. Crane (1965) 10-20920 M
Arch.Biochem.Biophys., 110(1):69-75
Comparative studies on plastoquinones. 1. Evidence for three quinones in the blue-green algae, Anacystis nidulans

Schreiber, B. & L. Tassi Pelati (1965) 10-20921 M
Energia Nucl.,Milano, 12(6):330-3
Beta and gamma radioactivity measurements, Sr^{90} determination in plankton and sea water samples collected during the oceanographic campaign of M/n BANNOCK - summer 1964

Barnes, W.J.P. & G.A. Horridge (1965) 10-20922 M
J.exp.Biol., 42(2):257-69
A neuropharmacologically active substance from jellyfish ganglia

Merkel, J.R. (1965) 10-20923 M
J.Bact., 89(3):903-5
Method for detecting and isolating proteolytic marine bacteria

Clegg, J.S. (1964) 10-20924 M
J.exp.Biol., 41(4):879-93
The control of emergency and metabolism by external osmotic pressure and the role of free glycerol in developing cysts of Artemia salina

Pillai, N.K. (1964) 10-20925 M
J.Mar.biol.Ass.India, 6(1):1-41
Report on the Mysidacea in the collections of the Central Marine Fisheries Research Institute, Mandapam Camp, South India. 1

List of spp. previously recorded from Indian waters, ill. description of 19 spp., Siriella robusta, S. jonesi, Rhopalophthalmus macropsis, and Anchialina dentata being new.

Aubert, M. (1963) 10-20926 M
Cah.C.E.R.B.O.M., (2):19-34
Possibilités d'application diététique de la biomasse planctonique
(Possibilities of the dietetic use of the plankton biomass)

Includes tables of chemical composition and nutritional requirements of a number of planktonic organisms.

Weisglass, H. & Y. Škreb (1963) 10-20927 M
Bull.sci.Cons.Acad.Yougosl., 8(1-2):9
Vibrio noctiluca sp.n.

Henningsen, K. (1963) 10-20928 M
Phycologia, 3(1):29-36
Chromosome numbers in five species of Oedogonium

Materials collected from different localities in northeast Sjaelland and grown as unialgal cultures.

Berge, G. (1963) 10-20929 M
Fiskeridir.Skr.Havundersøk., 13(6):95-105
A recording transparency meter for oceanic plankton estimation

A working description of the transparency meter together with examples of its use in planktology is given.

Fontaine, M.D. (1962)C 10-20930 M
Thesis, Univ. of Oxford, U.K.
The taxonomy and distribution of the copepods on the meridian 30 deg.W. in the south Atlantic

Antia, N.J. (1963) 10-20931 M
Canad.J.Microbiol., 9(3):403-9
A microbiological assay for biotin in seawater

Method described for direct bioassy. Organism is an unidentified marine bacterium that shows a growth response in enriched seawater medium, proportional to dissolved biotin concentration in the range 3-12μμg/ml. Growth measured turbidimetrically with a spectrophotometer. Effective assay range extended successfully to higher biotin levels by making appropriate dilutions in synthetic seawater.

Digby, P.S.B. (1963) 10-20932 M
Endeavour, 22(87):155
Plankton. Nature adrift, the story of marine plankton

Re 8-08127.

Bougis, P. (1963)C 10-20933 M
Villefranche-sur-Mer, Station Zoologique, pag.var.
Cours d'océanographie biologique. Fascicule 2. Biologie du phytoplancton
(Biological oceanography courses. Fasc. 2. Biology of the phytoplankton)

Includes sections on quantitative variations, photosynthesis and its requirements, the nitrogen and phosphorus cycles, essential growth factors, quantitative estimation of primary productivity and the Sverdrup theory of the spring outburst, and gives a bibliography.
Co 10-21351.

Mills, E.L. (1963) 10-20934 M
Canad.J.Zool., 41(6):971-89
A new species of *Ampelisca* (Crustacea: Amphipoda) from eastern North America, with notes on other species of the genus

A. vadorum is described. Ten other western Atlantic *Ampelisca* spp. are discussed briefly, and a key is given to all species of the area.

Ruffo, S. (1963) 10-20935 M
Bull.Res.Coun.Israel (B), 11(4):188-95
Studi sui crostacei anfipodi 57. Una nuova specie di *Bogidiella* (Crust. Amphipoda) della depressione del Mar Morto
(Study of amphipod crustaceans 57. A new species of *Bogidiella* (Crust. Amphipoda) from the depression of the Dead Sea). *It*

A new species of subterranean Amphipoda, *Bogidiella hebraea* n.sp. is described from the spring of Ein Hakikar, south of the Dead Sea. The 12 spp. of the genus are reviewed and classified according to morphological and ecological criteria. The new species is considered to be closely related to *B. chappuisi* Ruffo, a species known from the interstitial waters of the west Mediterranean shores.
Co 8-06247.

Berry, S.S. (1963) 10-20936 M
Calif.Fish Game, 49(3):128-39
A *Doratopsis* larva of the squid family Chiroteuthidae in Californian waters

Describes a specimen taken in 1916.

Berrill, M. (1963) 10-20937 M
Canad.J.Zool., 41(5):741-52
Comparative functional morphology of the Stauromedusae

Variations are ill. by descriptions of 3 New England spp., *Lucernaria quadricornis*, *Haliclystus salpinx*, and *Thaumatoscyphus atlanticus*, and are correlated with changes in the organization of the other, associated structures. Some misconceptions concerning the true significance of the gastric pockets are clarified. A coordinated comparison is made of the functional morphology of the two families, with an interpretation in terms of relative growth processes.

Menzel, D.W., E.M. Hulburt & J.H. Ryther (1963) 10-20938 M
Deep-Sea Res., 10(3):209-19
The effect of enriching Sargasso Sea water on the production and species composition of the phytoplankton

The technique of artificial enrichment of sea water has been used in an attempt to define nutrients critically limiting the growth of phytoplankton in the Sargasso Sea.
Issued also as: *Contr.Bermuda biol.Sta.*, (331). *Contr.Woods Hole oceanogr.Instn,* (1335).

Yentsch, C.S. & D.W. Menzel (1963) 10-20939 M
Deep-Sea Res., 10(3):221-31
A method for the determination of phytoplankton chlorophyll and phaeophytin by fluorescence

Concentration of chlorophyll, principally chlorophyll a, and after acidification phaeophytin, is measured in 85% acetone extracts using a sensitive flurometer. The method is very sensitive in that 10 fluorescence units are equal to 0.001 O.D.$^{10cm}_{.665\,m\mu}$. The maximum variation is 15%. The method is highly suitable for routine analysis at sea or in the laboratory.
Issued also as: *Contr.Bermuda biol.Sta.*,(332). *Contr.Woods Hole oceanogr.Instn,* (1348).

Pitysyk, G.K. (1961)C 10-20940 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :23-4
Dinamika fitoplanktona Azovskogo moria i nekotorye ee zakonomernosti
(Some recurrent features of phyto-plankton dynamics in the Sea of Azov)

Ural'skaia, I.V. (1961)C 10-20941 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :25-6
Sutochnye i vertikal'nye migratsii zooplanktona v Novorossiiskoi bukhte
(Diurnal and vertical migration of zooplankton in the Novorossiisk Bay)

Lanskaia, L.A. (1961)C 10-20942 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :21-2
Nekotorye svedeniia o melkikh zhgutikovykh Chernogo moria
(Some information on small flagellates of the Black Sea)

Bergeron, J. & G. Lacroix (1963) 10-20943 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:69-79
Prélèvements de larves de poissons dans le sud-ouest du Golfe Saint-Laurent, en 1962
(Samples of fish larvae from the south-west of the Gulf of Saint Lawrence)

Brunel, P. (1963) 10-20944 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:131-2
Observations éparses en 1962 sur quelques espèces animales macroscopiques pélagiques
(Scattered observations in 1962 of some macroscopic animal species)

Robertson, A.E. (1964)C 10-20945 M
Thesis, The University of Michigan, 97 p.
A method for studying herbivore standing crop with the continuous plankton recorder

DA 25(12),Pt.1:7431.

Hochachka, P.W. & J.M. Teal (1964) 10-20946 M
Biol.Bull.,Woods Hole, 126(2):274-82
Respiratory metabolism in a marine dinoflagellate

Sweeney, B.M. (1963) 10-20947 M
Biol.Bull.,Woods Hole, 125(1):188-96
Bioluminescent dinoflagellates

Eckert, R. (1965) 10-20948 M
Science, 147(3662):1140-5
Bioelectric control of bioluminescence in the dinoflagellate Noctiluca

Anraku, M. (1964) 10-20949 M
J.oceanogr.Soc.Japan., 20(5):221-32
Some technical problems encountered in quantitative studies of grazing and predation by marine planktonic copepods

Summary of preliminary tests of experimental procedures made prior to a series of observations on the grazing of marine copepods and on predation rates of predatory and omnivorous spp.

Mankowski, W. (1962) 10-20950 M
Przegl.Zool., 6(1):38-42
Biologiczne makroplanktonowe wskaźniki wlewów wód słonych z Morza Północnego do Bałtyku
(Biological macroplankton indicators of the inflows of waters from the North Sea into Baltic Sea). Pl En

Ciszewski, P. (1962) 10-20951 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:37-58
Zooplankton Bałtyku Południowego
(Southern Baltic zooplankton). Pl En Ru

Körte, F. (1963) 10-20952 M
Kieler Meeresforsch., 19(2):219-27
Beitrag zur Planktonbilanz des Europäischen Nordmeeres
(Contribution to the balance of plankton in the northern European seas). En

An attempt is being made to work out a plankton budget of Norwegian and Greenland seas on the base of existing knowledge on hydrography and plankton of that region.

Burkholder, P.R. & E.F. Mandelli (1965) 10-20953 M
Science, 149(3686):872-4
Productivity of microalgae in Antarctic sea ice

Barrett, J. & S.W. Jeffrey (1964) 10-20954 M
Plant Physiol., 39(1):44-8
Chlorophyllase and formation of an atypical chlorophyllide in marine algae

Lazaroff, N. & W. Vishniac (1964) 10-20955 M
J.gen.Microbiol., 35(3):447-59
The relationship of cellular differentiation to colonial morphogenesis of the blue-green alga, Nostoc muscorum A.

Ganapati, P.N. & N.S. Raju (1963) 10-20956 M
Curr.Sci., 32(8):361-3
Fish eggs off Waltair coast

Aznaur'ian, M.S. (1964) 10-20957 M
Med.Parazit., Moskva, 33:443-7
(Poisonous jellyfish in the Maritime Province and its toxic effects on man). Ru

Courmes, E. et al. (1964) 10-20958 M
Bull.Soc.Path.exot., 57:381-4
(Predatory action of copepods of the genus Cyclops on free larval forms of schistosomes). Fr

Jepsen, J. (1965) 10-20959 M
Sarsia, (20):1-8
Marsupial development of Boreomysis arctica (Kröyer, 1861)

van Baalen, C. (1965) 10-20960 M
Science, 149(3679):70
Mutation of the blue-green alga Anacystis nidulans

Abe, S. & T. Yasui (1964) 10-20961 M
Bull.Tohoku Fish.Res.Lab., (24):8-19
(On the zooplankton community in the eastern entrance to the Tsugaru Strait in the spring of 1961, especially with regard to the role as an indicator of water mass). Ni En

Frequency distribution; discussion of statistical methods for stratification of plankton communities; spp. composition and distribution; relation between some spp. and water temperature or chlorinity.

Omori, M. (1965) 10-20962 M
J.oceanogr.Soc.Japan, 21(1):18-27
The distribution of zooplankton in the Bering Sea and northern North Pacific, as observed by high-speed sampling of the surface waters, with special reference to the copepods

Average biomass; spp. composition and distribution; relation between total numbers of zooplankton and phytoplankton.

Tufail, M. & S.S. Hashmi (1965) 10-20963 M
Pakist.J.sci.industr.Res., 8(1):278-81
A contribution of the biology and larval development of the pistol shrimp, Alpheus crassimanus (Heller)

Ill. description of first larval stage as an aid to identification in plankton; observations on habit and habitat of adult and larval forms.

Taniguchi, T., A. Kataoka & H. Imanishi (1964) 10-20964 M
Bull.Jap.Soc.sci.Fish., 31(5):327-32
Hydrodynamic studies on the Isaacs-Kidd mid-water trawl. 1. Field experiments of the 10 foot S-1 type larva-net

Details of working performance, especially gape height, hydrodynamic resistance, working depth, etc.

Takano, H. (1965) 10-20965 M
Bull.Tokai Fish.Res.Lab., (42):1-10
New and rare diatoms from Japanese marine waters. 1. Ni

Ill. description and comparison with allied taxa for Thalassiosira mala sp. nov. (previously incorrectly described as T. decipiens forma levanderi (Van Goor)), T. allenii sp. nov.; ill. description of Chrysanthemodiscus floriatus, Cistula lorenziana, Rhaphoneis bilineata forma lancettula and forma protracta.

Suyama, M., K. Nakajima & J. Nonaka (1965) 10-20966 M
Bull.Jap.Soc.sci.Fish., 31(4):302-6
Studies on the protein and non-protein nitrogenous constituents of Euphausia

Analysis of the protein and non-protein nitrogenous constituents of E. pacifica, E. superba, and E. vallentini.

Scherbaum, O.H. (1963) 10-20967 M
Biochim.biophys.Acta, 72(4):509-15
Acid-soluble phosphates in nucleate and enucleate Acetabularia. 1. Paper-chromatographic patterns

Mauchline, J. (1965) 10-20968 M
J.Mar.biol.Ass.U.K., 45(3):663-71
Breeding and fecundity of Praunus inermis (Crustacea, Mysidacea)

Hirota, R. & T. Endo (1964) 10-20969 M
J.Fac.Fish.Hiroshima, 5(2):519-35
(On primary production in Bingo-Nada of Seto Inland Sea. 2. Primary production and plankton). Ni En

Results of quantitative examination of living plankton (including zooplankton) carried out at two stations; consideration of quantitative relation between the primary production and the standing crop of planktonic diatoms.

Eckert, R. (1963) 10-20970 M
Proc.int.Congr.Zool., 16(2):74
Bioluminescence and electrical activity in a single cell

Records from Noctiluca miliaris.
Pr 62-078me.
Abstract only.

Hulburt, E.M. (1963) 10-20971 M
Bull.Mar.Sci.Gulf Caribb., 13(2):219-23
The occurrence of Skeletonema costatum (Bacillariophyceae) in the Gulf Stream and Sargasso Sea. Es

Records of temperature and cell numbers from samples taken between Montauk Point and Bermuda during Dec. 1958 - Jan. 1962 showing moderate numbers of the diatom 500 miles from the coast.

Johnston, R. (1963) 10-20972 M
Proc.int.Congr.Zool., 16(1):60
Metabolic trends associated with succession in phytoplankton

Changes in in vitro cultures suggest that succession in the sea depends on specific differences in metabolism.
Pr 62-078me.
Abstract only.

McGowan, J.A. & T. Okutani (1963)A 10-20973 M
Proc.int.Congr.Zool., 16(1):68.
The distribution and abundance of the epipelagic decapod (Cephalopoda) larvae in the California Current

Pr 62-078me.
Abstract only.

Dahl, E. (1963) 10-20974 M
Proc.int.Congr.Zool., 16(1):88
Mucus in feeding mechanisms of some Crustacea

Data on secretions in some mysids amphipods and Calanus.
Pr 62-078me.
Abstract only.

Schreiber, B. (1963)A 10-20975 M
Proc.int.Congr.Zool., 16(1):94
Strontium scavengers in marine plankton: the Acantharia

Pr 62-078me.
Abstract only.

Urry, D.L. (1963) 10-20976 M
Proc.int.Congr.Zool., 16(1):95
Recent experimental evidence on the nutritional value of phytoflagellate types to a calanoid copepod

Describes maintenance of laboratory stocks of female Pseudocalanus.
Pr 62-078me.
Abstract only.

Lang, B.T. (1963) 10-20977 M
Proc.int.Congr.Zool., 16(1):102
The problem of Eucalanus elongatus Dana

Reports a fifth form from Philippine-Indonesian waters.
Pr 62-078me.
Abstract only.

Allen, J.A. (1963) 10-20978 M
Proc.int.Congr.Zool., 16(1):103
The dynamics of mixed populations of natant decapod Crustacea in the North Sea

Yearly patterns of growth, breeding, feeding and migration are deduced from Asassiz trawl samples.
Pr 62-078me.
Abstract only.

Kampa, E.M., B.P. Boden & B.C. Abbott (1963)A 10-20979 M
Proc.int.Congr.Zool., 16(1):106
Observations on the histology of the eyes of euphausiid crustaceans

Pr 62-078me.
Abstract only.

Bernard, F. (1963) 10-20980 M
Proc.int.Congr.Zool., 16(1):117
Diving of Cyclococcolithus fragilis (Lohm.). Its consequences for life cycle in warm seas

Estimates sinking speeds of up to 60m/day for small cell aggregates, 260m/hour for larger ones.
Pr 62-078me.
Abstract only.

Arvy, L. (1963) 10-20981 M
Proc.int.Congr.Zool., 16(1):146
Contribution à l'étude des parasites et commensaux de Gibbula umbilicalis da Costa
(Contribution to the study of parasites and commensals of Gibbula umbilicalis da Costa)

Reports trematode larvae, syllids and copepods in a sample of over 1,000 individuals from Dinard.
Pr 62-078me.
Abstract only.

Brinton, E. (1963)A 10-20982 M
Proc.int.Congr.Zool., 16(1):204
Barriers between tropical Pacific and Indian Ocean euphausiid species (zooplankton, Crustacea)

Pr 62-078me.
Abstract only.

Bandy, O.L. & R.J. Echols (1963) 10-20983 M
Proc.int.Congr.Zool., 16(1):221
Antarctic foraminiferal zonation

Defines depth limits of the recent species. Part of the fauna recorded was from 2,400 m.
Pr 62-078me.
Abstract only.

Moore, H.B. (1963) 10-20984 M
Proc.int.Congr.Zool., 16(4):291
The behaviour of organisms constituting the deep scattering layer

Suggests that a study of copepods should yield information.
Pr 62-078me.
Abstract only.

Boden, B.P. & E.M. Kampa (1963) 10-20985 M
Proc.int.Congr.Zool., 16(4):292-5
An inshore sonic-scattering layer

Presents opinions on the composition of inshore layers and a discussion of bioluminescence in Euphausia pacifica from British Columbia.
Pr 62-078me.
Abstract only.

Lönning, S. (1963) 10-20986 M
Ark.Zool., 16(1):9-40
Some observations on plankton from the Gullmar Fjord

Results of qualitative and quantitative analyses of samples, and of hydrographical observations.

ANON. (1963) 10-20987 M
Industr.pesq.,Vigo, 37(873):355
El "plancton" procedente del agua del mar, posible nuevo antibiótico
(Marine plankton - a possible new antibiotic)

Review of results of experiments with plankton extracts.

Furnestin, M.-L. (1963) 10-20988 M
Sci.et Pêche, (117):8 p.
Les indicateurs planctoniques
(Plankton indicators)

Types of indicators and their value.

Iizuka, S. (1963) 10-20989 M
Inform.Bull.Planktol.Jap., (9):1-9
A method of determination of seston in sea water. Ni

Anraku, M. (1963) 10-20990 M
Inform.Bull.Planktol.Jap., (9):10-35
Feeding habits of planktonic copepods (review). Ni

Motoda, S. et al. (1963) 10-20991 M
Inform.Bull.Planktol.Jap., (9):37-51
Zooplankton samplings accomplished on the UMITAKA MARU and the OSHORO MARU in the Indian Ocean December 1962-January 1963.
Ni

Participation in the IIOE programme.

Marumo, R. & Y. Kawarada 10-20992 M
(1963)
Inform.Bull.Planktol.Jap., (10):1-4
Research on deep-sea animals by the RYOFU MARU III. Ni

1962. Eastern Oceanic area of Japan.

Takano, H. (1963) 10-20993 M
Inform.Bull.Planktol.Jap., (10):5-9
Culture media for diatoms. Ni

Saijo, Y. (1963) 10-20994 M
Inform.Bull.Planktol.Jap., (10):9-17
Problems in the study of primary production in the sea. Ni

Saijo, Y. (1963) 10-20995 M
Inform.Bull.Planktol.Jap., (10):17-22
Techniques of primary production measurement used on the Indian Ocean cruise of the UMITAKA MARU, December 1962-January 1963, and suggestions on their improvement on the next cruise. Ni

Motoda, S. et al. (1963) 10-20996 M
Inform.Bull.Planktol.Jap., (10):22-8
Proposed method of estimation of quantity of water filtered by vertical net haul, and its application on illustrating distribution of zooplankton biomass in the eastern Indian Ocean. Ni

Kawamura, T. (1963) 10-20997 M
Inform.Bull.Planktol.Jap., (10):28-35
Preliminary survey of primary production in the northern North Pacific and Bering Sea, June-August 1960. Ni

Balech, E. (1963) 10-20998 M
Bol.Inst.Biol.mar.,Mar d.Plata, (2):33 p.
La familia Podolampaceae (Dinoflagellata)
(The family Podolampaceae (Dinoflagellata))

Describes species of the genera Podolampas and Blepharocysta and discusses relationships of the family.

Sorokin, J.I. (1963) 10-20999 M
Hydrobiologia, 22(3/4):306-16
Primary organic production in the Atlantic Ocean

Determination of a 24-h primary organic production of phytoplankton photosynthesis under 1 m^2 in the vast areas of open parts of the Atlantic Ocean was made by using isotopic technique. Definite correlation between the rate of primary production and standing crop of crustacean zooplankton was observed in tropical waters.

Fedosov, M.V. (1963)AC 10-21000 M
In 10-20091:125-35
Investigation of formation conditions of primary productivity in the northwest Atlantic

En 8-06153.

Semenova, T.N. (1963)AC 10-21001 M
In 10-20091:196-204
Zooplankton in the area of the Newfoundland banks in spring 1960

En 8-06154.

Movchan, O.A. (1963)AC 10-21002 M
In 10-20091:205-13
Quantitative development of the phytoplankton in the areas of the Newfoundland and Flemish Cap banks and in adjacent waters

En 8-06155.

Serebryakov, V.P. (1963)AC 10-21003 M
In 10-20091:221-7
Studies of ichthyoplankton in the areas of Newfoundland and Labrador

En 8-06156.

Satyanarayana, R.T.S. (1962) 10-21004 M
J.zool.Soc.India, 14:219-29
Studies on the Chaetognatha of the Indian seas 6. Biology of Sagitta enflata Grassi, in the waters of Lawson's Bay, Waltair 7. Some remarks on Sagitta bombayensis Lele and Gae 1936

BSEA 9(10)6874.

Ganapati, P.N. & R.N. Solomon (1963) 10-21005 M
Curr.Sci., 32:361-2
Fish eggs off the Waltair coast

BSEA 9(10)6919.

Bunt, J. (1965) 10-21006 M
Nature,Lond., 207(5004):1373-5
Measurements of photosynthesis and respiration in a marine diatom with the mass spectrometer and with carbon-14

Fragilaria sublinearis was used for experiments.

Raymont, J.E.G. & B.G.A. Carrie (1964) 10-21007 M
Int.Rev.Hydrobiol., 49(2):185-232
The production of zooplankton in Southampton water

Dobkin, S. (1965) 10-21008 M
Bull.Mar.Sci., 15(2):450-62
The first post-embryonic stage of Synalpheus brooksi Coutière. Es

Wood, E.J.F. (1965) 10-21009 M
Bull.Mar.Sci., 15(2):475-9
Protoplankton of the Benguela-Guinea current region. Es

The similarity between the phytoplankton of the Gulf of Guinea and that of the Florida Straits and adjacent waters is pointed out. This flora is also very similar in species composition to tropical waters in the Pacific and Indian Oceans.

Björnberg, T.K.S. (1965) 10-21010 M
Bull.Mar.Sci., 15(2):512-20
Observations on the development and the biology of the Miracidae Dana (Copepoda: Crustacea). Es

Sims, H.W. Jr. (1965) 10-21011 M
Bull.Mar.Sci., 15(1):223-7
Notes on the occurrence of prenaupliosoma larvae of spiny lobsters in the plankton. Es

Sims, H.W. Jr. (1964) 10-21012 M
Crustaceana, 7(4):259-66
Four giant scyllarid phyllosoma larvae from the Florida Straits with notes on smaller similar specimens. De

Tanaka, O. (1964) 10-21013 M
Publ.Seto Mar.biol.Lab., 12(1):1-37
The pelagic copepods of the Izu Region, middle Japan. Systematic account. 10. Family Heterorhabdidae

Ill. morphological note and proportional lenght of segments are given for 18 spp. (3 of which are new) belonging to 5 genera, with notes on occurrence and distribution.
CR 8-08120.

Tanaka, O. (1964) 10-21014 M
Publ.Seto Mar.biol.Lab., 12(1):39-91
The pelagic copepods of the Izu Region, middle Japan. Systematic account. 11. Family Augaptilidae

Ill. morphological note and proportional length of segments are given for 32 spp. (5 of which are new) belonging to 10 genera with notes on occurrence and distribution.
Co 10-21013.

Tanaka, O. (1964) 10-21015 M
Publ.Seto Mar.biol.Lab., 12(3):231-71
The pelagic copepods of the Izu Region, middle Japan. Systematic account. 12. Families Arietellidae, Pseudocyclopidae, Candaciidae and Pontellidae

Ill. morphological note and proportional length of segments are given for 39 spp. (2 of which are new) belonging to 14 genera, with notes on occurrence and distribution.
Co 10-21014.

Ummerkutty, A.N.P. (1964) 10-21016 M
J.Mar.biol.Ass.India, 6(1):48-60
Studies on Indian copepods. 6. The post-embryonic development of two calanoid copepods, Pseudodiaptomus aurivilli Cleve and Labidocera bengalensis Krishnaswamy

Seki, H. & N. Taga (1965) 10-21017 M
J.oceanogr.Soc.Japan, 21(1):6-17
Microbiological studies on the decomposition of chitin in marine environment. 7. Experimental considerations on survival conditions during the transport of chitinoclastic bacteria in the air and in the sea

Examination of some inhibitory effects of the atmospheric environment on bacteria which are carried into the atmosphere and effects of ecological factors on bacteria which are migrating in the free water of sea from substratum to substratum.
Co 10-22636.

Karling, T.G. (1965) 10-21018 M
Ark.Zool., 16(6):527-41
Marine Turbellaria from the Pacific coast of North America. 3. Otoplanidae

Co 10-11622.

Eppley, R.W. & P.R. Sloan (1965) 10-21019 M
J.Fish.Res.Bd Can., 22(4):1083-97
Carbon balance experiments with marine
phytoplankton

8 species, clones and natural populations of Chlorophyta, Pyrrophyta, Chrysophyta, and Bacillariophyta were investigated.

Phillips, R.C. (1963) 10-21020 M
Quart.J.Fla Acad.Sci., 26(4):329-34
Ecology of floating algal communities in
Florida

Blue-green algae of the genera Diplanthera, Spirulina, Oscillatoria, Lyngbya, were observed. The algae exert a nutritional role and contribute much organic detritus to the substrate.

Aldakimova, A.Ia. & 10-21021 M
S.A. Nepokoichitskaia (1961)C
In 10-20151
Sostoianie fitoplanktona Azovskogo moria
v 1960 godu
(The state of phytoplankton in the Sea of
Azov in 1960)

Shelomov, I.K. (1961)C 10-21022 M
In 10-20151
Vliianie gidrologicheskogo rezhima
Azovskogo moria na ego pervichnuiu
produktsiiu v 1960 godu
(The effect of the hydrological regime of
the Sea of Azov on its primary production
in 1960)

Mironov, O.G. (1961) 10-21023 M
Bot.Zh., 46:892-6
Diatomovye vodorosli u beregov
Feodosii
(Diatoms on the Feodosiia coasts)

Proshkina-Lavrenko, A.I. (1961) 10-21024 M
Bot.Zh., 46:1794-7
Ob izmenchivosti nekotorykh chernomorskikh diatomovykh vodoroslei
(Variability of certain Black Sea
diatoms)

Zaitsev, Iu.P. (1960) 10-21025 M
Uchen.Zap.odess.biol.Stants., (2):37-42
O sushchestvovanii biotsenoza neistona
v morskoi pelagiali
(Existence of a neuston biocoenosis in a
pelagic zone). Uk Ru

Pavshtiks, E.A. (1961) 10-21026 M
Nauch.-tekh.Biull.PINRO, 2-3(16/17):47-9
O razvitii planktona i usloviiakh
otkorma sel'di v 1960 gody
(Plankton development and herring
fattening conditions in 1960)

Hure, J. (1964)B 10-21027 M
Acta adriatica, 11:167-72
Rythme saisonnier de la distribution
verticale du zooplancton dans les eaux
plus profondes de l'Adriatique méridionale
(Seasonal rhythm of the vertical
distribution of zooplankton in the deeper
waters of the southern Adriatic Sea)

Nikolaev, I.I. (1961) 10-21028 M
Trud.Soveshch.ikhtiol.Kom., 13
Plankton kak faktor raspredeleniia i
produktivnosti planktonoiadnykh ryb
Baltiiskogo moria
(Plankton as a factor in the distribution
and productivity of the plankton-eating
fishes of the Baltic)

A study on the relationships between several groups of zooplankton and Clupea harengus membras and Sprattus sprattus.

Jahn, T.L., M. Landman & J. 10-21029 MG
Fonseca (1963)
Proc.int.Congr.Zool., 16(2):292
Function of mastigonemes of a marine
chrysomonad

'Roughness' of the flagellum surface produces propulsion in the opposite sense to that expected for a smooth flagellum.
Pr 62-078me.
Abstract only.

Dovel, W.L. (1964) 10-21030 MF
Chesapeake Sci., 5(1-2):77-90
An approach to sampling estuarine
macroplankton

Description of gear, operational details, techniques.

Jackson, D.F. (Ed.)(1964)C 10-21031 MF
New York, Plenum Press, 434 p.
Algae and man, based on lectures presented at the NATO advanced study institute, July 22 - August 11, 1962, Louisville, Kentucky

BAgr. 29(3)19649. Contains 10-20106, 10-20107, 10-21616, 10-21617, 10-21262.

Eppley, R.W. & F.M. Macias (1963) 10-21032 MF
Limnol.& Oceanogr., 8(4):411-6
Role of the alga Chlamydomonas mundana in anaerobic waste stabilization lagoons

The alga perpetuates anaerobiosis. Growth of Chlamydomonas mundana is encouraged by anaerobic conditions. Most of the acetate used by the alga is directly assimilated by a photosynthetic mechanism.

Brown, F.A. Jr. & Y.H. Park (1965) 10-21033 MF
Biol.Bull., Woods Hole, 128(3):347-55
Duration of an after-effect in planarians following a reversed horizontal magnetic vector

Brown, F.A. Jr. & Y.H. Park (1965) 10-21034 MF
Biol.Bull., Woods Hole, 129(1):79-86
Phase-shifting a lunar rhythm in planarians by altering the horizontal magnetic vector

Baid, I.C. & L.S. Ramaswami (1965) 10-21035 MF
Experientia, 21(9):528-9
Neurosecretory cells in Artemia salina L.

Koblents-Mishke, O.I. & I.I. Sorokin (1962) 10-21036 MF
Okeanologiia, 2(3):506-20
(The problems of primary production. The 10th Pacific Science Congress). Ru

No 60-248me.

USFWS. Bureau of Commercial Fisheries (1965) 10-21037 MF
News Notes sci.Activ.U.S.Bur.comm.Fish., July 1965: 2 p. mimeo
Plankton nets tested

Note on experimental use of newly designed and constructed nets for the collection of fish larvae.

Gauld, D.T. (1964) 10-21038 MF
Symp.Brit.ecol.Soc., 4:239-45
Feeding in planktonic copepods

BAgr. 29(3)20150.

Marčenko, E. (1965) 10-21039 MF
Nature,Lond., 207(4996):542-3
Restoration of irradiated algae after a period of darkness

Describes experiments on the unicellular desmid Micrasterias truncata.

Verzilin, N.N. (1961) 10-21040 MF
Vest.Akad.Nauk SSSR, (6):97-9
Kul'tivirovanie odnokletochnykh vodoroslei (Vsesoiuznoe soveshchanie ... Leningrad, 1961, 6-11 marta)
(Cultivation of unicellular algae. All-Union conference, Leningrad, 6-11 March, 1961)

Vladimirova, K.S. (1961) 10-21041 MF
Trud.Inst.Gidrobiol., Kiev, 36:128-44
Fitomikrobentos Dunaia i zalivov Kiliiskoi del'ty
(Phytomicrobenthos of the Danube and the inlets of the Kiliia delta). En

Barashkov, G.K. (1961) 10-21042 MF
Priroda, Moskva, (9):110-2
Diatomovye vodorosli (rol' v zhizni okeanov, morei, rek, ozer i t. p.)
(Diatoms: their role in oceans, seas, rivers, lakes etc.)

Wise, K.A.J. & J.L. Gressitt (1965) 10-21043 MF
Nature, Lond., 207(4992):101-2
Far southern animals and plants

Some new findings of algae and rotifers from Antarctica are reported.

Loomis, W.F. (1964) 10-21044 MF
J.exp.Zool., 156(3):289-304
Microenvironmental control of sexual differentiation in hydra

Presents evidence that sexual differentiation in hydra is not rhythmical but controlled by the highly sensitive feedback process of microenvironmental enrichment with metabolite inducers, such as dicarboxylic acids and the OH-ion.

Quimby, G.R. *et al.* (1965) 10-21045 MF
Wat.& Sewage Wks, 112(2):72-3
Liquid scintillation counting

A new method for measuring primary production of organically enriched aquatic communities.

Mallet, L. & R. Lami (1964) 10-21046 MF
C.R.Séanc.Soc.Biol., 158(12):2264-303
Research on plankton pollution by polybenzenic hydrocarbur (benzo 3,4-pyrene) of the Rance estuary

Hofler, K. & L. Hofler (1965) 10-21047 MF
Protoplasma, 59(3/4):522-31
Zur Vitalfarbbarkeit zentrischer Plankton-Diatomeen
(On the vital colorability of central plankton diatoms)

Pringsheim, E.G. (1965) 10-21048 MF
Naturwissenschaften, 52(9):220
Farblose Algen
(Colourless algae)

Griffen, M.H. (1963) 10-21049 MF
Hydrobiologia, 21(3/4):201-65
Contributions to the diatom flora of South Africa. 1. Diatoms of the estuaries of the eastern Cape Province

Deals with the diatoms present in samples obtained from a series of small rivers along the coast in the neighbourhood of East London, Cape Province, namely the Nahoon, Igodo, Gulu, Umkantzi, Umlele and Ncera rivers and streams.

Segal, E. & W.D. Burbanck 10-21050 MF
(1963)
Physiol.Zoöl., 36(3):250-63
Effects of salinity and temperature on osmoregulation in two latitudinally separated populations of an estuarine isopod, *Cyathura polita* (Stimpson)

McLaren, I.A. (1963) 10-21051 MF
J.Fish.Res.Bd Can., 20(3):685-727
Effects of temperature on growth of zooplankton, and the adaptive value of vertical migration

Suggests that in situations where the upper water layers are warm, animals feeding there and then resting in deeper cooler waters may gain an energy bonus which may be put into fecundity. Adduces support for this thesis from mathematical temperature and growth relationships.

Stewart, J.E. *et al.* (1963) 10-21052 MF
J.Fish.Res.Bd Can., 20(3):729-34
Amino acid composition of representatives of eight bacterial genera with reference to aquatic productivity

Analysis and a brief consideration of the value of bacteria as food to protozoa and other animals.

Grin', V.G. (1960) 10-21053 MF
Uchen.Zap.odes.biol.Sta., 2:93-8
Vliianie vremennogo osoloneniia vody v nizov'iakh Dnepra v 1955 g. na sostav fitoplanktona
(The effect of the temporary solodization of the lower reaches of the Dnieper in 1955 on phytoplankton composition). *Uk*

Mehrotra, B.S. & M.D. Mehrotra 10-21054 MF
(1963)
Sci.& Cult., 29:198-9
Some biochemical evidences against the inclusion of the new genus *GILBERTELLA* in the Choanephoraceae

BSEA 9(6)3947.

Lacroix, G. & L. Legendre 10-21055 MF
(1963)
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:53-8
Étude préliminaire du zooplancton de l'estuaire de la Rivière Restigouche
(Preliminary study of the zooplankton from the estuary of the Restigouche River)

Fogg, G.E. (1965)BC 10-21056 MF
Madison, University of Wisconsin Press, 126 p.
Algal cultures and phytoplankton ecology

Norris, R.E. (1965) 10-21057 MF
Science, 148(3671):827
Algal cultures and phytoplankton ecology

Re 10-21056.

Zembrzuska, D. (1962) 10-21058 MF
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:137-58
Fitoplankton zalewu Szczecińskiego
(Phytoplankton of the Szczecin Firth).
Pl En Ru

El-Sayed, S.Z. & B.D. Lee (1963) 10-21059 MF
J.Mar.Res., 21(2):59-73
Evaluation of an automatic technique for counting unicellular organisms

The Coulter counter, originally designed for high-speed counting of blood cells, was used in this study for quantitative estimation of several species of unicellular algae. The instrument is also well suited for use in the study of growth curves of unicellular algae. The instrument's limitations and sources of error are discussed.

Hulburt, E.M. (1963) 10-21060 MF
J.Mar.Res., 21(2):81-93
The diversity of phytoplanktonic populations in oceanic, coastal, and estuarine regions

Attempts to show that both conformity and divergences may be utilized in furthering an understanding of the diversity of populations in various stages of growth.

Mills, E.L. (1964) 10-21061 MF
Canad.J.Zool., 42(4):559-75
Ampelisca abdita, a new amphipod crustacean from eastern North America

Morphological relations with other spp.

Riley, J.P. & T.R.S. Wilson (1965) 10-21062 MF
J.Mar.biol.Ass.U.K., 45(3):583-91
The use of thin-layer chromatography for the separation and identification of phytoplankton pigments

Kheissin, E. (1963)A 10-21063 MF
Proc.int.Congr.Zool., 16(2):296
Variations in endoplasmic reticulum and mitochondria of Protozoa in relation to the character of their metabolism

Pr 62-078me.
Abstract only.

Smith, J.H.C. & C.S. French (1963) 10-21064 MF
Annu.Rev.Pl.Physiol., 14:181-224
The major and accessory pigments in photosynthesis

Clayton, R.K. (1963) 10-21065 MF
Annu.Rev.Pl.Physiol., 14:159-80
Photosynthesis: primary physical and chemical processes

Kornmann, P. (1963) 10-21066 MF
Phycologia, 3(2):60-8
Die Ulotrichales, neu geordnet auf der Grundlage entwicklungsgeschichtlicher Befunde (The Ulotrichales recorded on the basis of developmental discoveries)

The new concept of the order unites the majority of Chlorophyceae with heteromorphic life cycles.

Reimann, R.E.F., J.M.C. Lewin & R.R.L. Guillard (1963) 10-21067 MF
Phycologia, 3(2):75-84
Cyclotella cryptica, a new brackish-water diatom species

Description and figures based on electron microscope study of a species from Martha's Vineyard, Massachusetts.

Mulford, R.A. (1963) 10-21068 MF
Spec.sci.Rep.Va Inst.Mar.Sci., (43):22 p.
The net phytoplankton taken in Virginia tidal waters January-December 1962

Lists diatoms, dinoflagellates and silicoflagellates by station and month.

von Stosch, H.A. (1965) 10-21069 MF
Phycologia, 5(1):21-44
Manipulierung der Zellgrösse von Diatomeen im Experiment (Manipulations on the cell size of diatoms in experiment). En

Sorokin, Ju.I. (1964) 10-21070 MF
Int.Rev.Hydrobiol., 49(2):307-24
On the trophic role of chemosynthesis in water bodies

Chemoautotrophic production in Rybinsk and Kuibishev reservoirs, and chemosynthesis in the Black Sea are discussed.

Robinson, A.B. et al. (1965) 10-21071 MF
Science, 149(3689):1255-8
Anesthesia of Artemia larvae: method for quantitative study

The technique was developed to study molecular mechanisms of general anesthesia.

Tash, J.C. (1964)C 10-21072 MF
Thesis, University of Kansas, 113 p.
The zooplankton of fresh and brackish waters of the Cape Thompson area, Alaska

DA 26(1):564.

Shelomov, I.K. (1961)C 10-21073 MF
In 10-20151
Novyi metod opredeleniia pervichnoi produktsii i stepeni raspada organicheskogo veshchestva v vodoemakh razlichnogo tipa
(A new method of determining the primary production of organic matter and the level of its decay in waters of various types)

Sheinin, M.S. (1961)C 10-21074 MF
In 10-20151
Zooplankton Nizhnego Dona, ego vodokhranilishch i vostochnoi chasti Taganrogskogo zaliva v 1960 godu
(The zooplankton of the Lower Don, its reservoirs and the eastern part of Taganrog Bay in 1960)

Makarova, I.V. (1961)B 10-21075 MF
Bot.Zh., 46:1669-78
O fitoplanktone Severnogo Kaspiia
(North Caspian phytoplankton)

Sapozhnikov, D.I. et al. (1961) 10-21076 MF
Bot.Zh., 46:1543-4
Ob izvlechenii pigmentov iz odnokletochnykh vodoroslei
(Extracting pigments from unicellular algae)

Hillbricht-Ilkowska, A. (1962) 10-21077 F
Bull.Acad.polon.Sci.(2), 10(12):537-40
Euplanktonic rotifers (Rotatoria) in ponds varyingly stocked with carp fry

Gileva, E.A., N.A. Timofeeva & N.V. Timofeev-Resovskii (1965) 10-21078 F
Radiobiologiia, 5:732-4
(Influence of ^{60}Co γ irradiation on the growth of Chlorella cultures). Ru

NSA 20(4)5389.

Javornický, P. (1965) 10-21079 F
Phycologia, 5(1):53-60
Unarmoured dinoflagellata from two small Mazurian Lakes

Clémencon, H. (1963) 10-21080 F
Schweiz.Z.Hydrol., 25(2):157-65
Verbreitung einiger B-Vitamine in Kleingewässern aus der Umgebung von Bern und Untersuchungen über die Abgabe von B-Vitaminen durch Algen
(Distribution of some B-vitamins in small water-bodies in the neighbourhood of Bern, and investigations on the B-vitamin tribute through algae)

Peterfi, L.S. (1963) 10-21081 F
Studia Univ.Babes-Bolyai (Biol.), 50(4): 401-13
Oscillatoria agardhii var. suspensa nov. var; short reports on flagellates and algae. 10.

BAgr. 29(8)67827.

Bharatis, S.G. (1964) 10-21082 F
J.Bombay nat.Hist.Soc., 61(2):475-9
Chlorococcales from Kodaikanal, South India

Seventeen species of algae belonging to 8 genera of order Chlorococcales have been systematically described.
ISA 1(4)3600.

Andronikova, I.N. (1965) 10-21083 F
Gidrobiol.Zh., Kiev, (4):34-8
O dvukh urovniakh produktivnosti zooplanktona sil'no gumifitsirovannykh vadoemov Karelskogo peresheika
(On two levels of productivity of zooplankton of strongly humified basins of the Karelian Isthmus)

Naidenov, V. (1964) 10-21084 F
Izv.Zool.Inst.bulg.Akad.Nauk, 15:151-83
Plankton and dynamics of the leading plankton forms in the reservoir Batak. De

BAgr. 29(8)67825.

Lorenzen, C.J. (1963) 10-21085 F
Limnol.& Oceanogr., 8(1):56-62
Diurnal variation in photosynthetic activity of natural phytoplankton populations

Paluch, J. (1963) 10-21086 F
Acta microbiol.polon., 12(4):307-30
Einige physiologische und morphologische Eigenschaften von Mikrooganismen des Wassers im Staubecken Goczalkowice
(Some physiological and morphological features of the micro-organisms of the dam reservoir at Goczalkowice)

Steemann, N.E. (1961) 10-21087 F
Physiol.Plant., 14:868-76
Chlorophyll concentration and rate of photosynthesis in Chlorella vulgaris

Fox, M. (1962) 10-21088 F
Mem.Ist.ital.Idrobiol.de Marchi, 15:69-77
On Macrothrix hirsuticornis var. groenlandica (Crustacea, Cladocera)

Sebestyén, O. (1965) 10-21089 F
Ann.Inst.biol.hung.Acad.Sci., 32:187-228
Kladocera tamulmányok a Balatonon. 3. Tótörténeti elötanulmányok
(Cladocera studies in Lake Balaton. 3. Preliminary studies for lake history investigations). Ma En Ru

Co O. Sebestyén, 1947, 1948.

Romanova, A.P. & A.I. Zonov 10-21090 F
(1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 155(1-6):224-6
Determination of the production of a bacterial biomass in reservoirs

En 9-11249.

Votintsev, K.K. & G.I. 10-21091 F
Popovskaya (1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 155(1-6):227-30
The condition of Melosira baicalensis (K. Meyer) Wisl., as it sinks into the deep water of Lake Baikal

En 9-11250.

Pototskaya, I.V. & N.P. Tsyba 10-21092 F
(1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 155(1-6):234-6
Primary production of plankton in the Tsimlyanskii Reservoir

En 9-11127.

Gileva, E.A., N.A. Timofeeva & 10-21093 F
N.V. Timofeev-Resovskii (1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6):393-4
Influence of chronic gamma-irradiation on the biomass of fresh algal periphyton

En 9-11243.

Kuznetsov, S.I., V.I. Romanenko 10-21094 F
& V.I. Glazunov (1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6):399-402
Production of organic matter by phytoplankton photosynthesis in Lake Baikal

En 9-11128.

Timofeev, V.A. (1964)B 10-21095 F
Dokl.Akad.Nauk SSSR, 156(5):1244-7
(An electron microscope study of calcareous bodies in the plerocercoid and sexually mature stages of Schistocephalus pungitii). Ru

Timofeev, V.A. (1964) 10-21096 F
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6):422-6
An electron microscope study of calcareous bodies in the plerocercoid and sexually mature stages of Schistocephalus pungitii

En 10-21095.

Mikhailov, V.V. & D.L. Teplyi 10-21097 F
(1964)C
8732 (1133)
The toxicity of blue-green algae of the Volga River

En 10-21829.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Imerlishvili, T.I. (1963) 10-21098 F
Trud.Inst.Zool.Akad.Nauk gruz.SSR, 19:3-14
(Phytoplankton of the Khram Reservoir (1948-1950)). Ru

BAgr. 29(4)28919.

Daubner, I. & B. Trzilova 10-21099 F
(1964)
Biológia, 19(9):705-13
(The development of the microbiological plankton in the surface waters and the interrelation of its components, 1961-1963). Cs De

BAgr. 29(3)20137.

Gross, J.A. (1965) 10-21100 F
Science, 147(3659):741-2
Pressure-induced color mutation of Euglena gracilis

Landau, E. (1964) 10-21101 F
New Scient., 24(417):445
Pond-produced protein. The discovery in Japan that the alga Chlorella can be grown in the dark has encouraged fresh efforts to cultivate it as food.

Gak, D.Z. (1961) 10-21102 F
Trud.Inst.Gidrobiol., Kiev, 36:50-69
Bakterioplankton nizhnego techeniia Dunaia (v predelakh SSSR)
(Bacterioplankton of the lower reaches of the Danube within Soviet territory). En

Vladimirova, K.S. (1961) 10-21103 F
Trud.Inst.Gidrobiol., Kiev, 36:242-63
Fitomikrobentos pridunaiskikh vodoemov
(Phytomicrobenthos of water in the Danube area)

Radzimovskii, D.A. (1961)C 10-21104 F
In 10-20767
Fitoplankton prudov Inguletskogo massiva orosheniia
(Phytoplankton of ponds in the Ingulets irrigation area)

Hill, H.Z. (1964)C 10-21105 F
Thesis, Brandeis University, 258 p.
UV-inactivation, photoreactivation and the decay of photoreactivability of the green-colony-forming system of Euglena gracilis

DA 25(10):5511.

Peary, J.A. (1964)C 10-21106 F
Thesis, University of Oregon, 193 p.
Ecology and growth studies of thermophilic blue-green algae

Field studies on Oscillatoria and Synechococcus spp.
DA 25(10):5521.

Baker, M.M. (1964)C 10-21107 F
Thesis, University of Colorado, 110 p.
Cytology of the oocyte of the fresh-water isopod, Asellus militaris Hay

DA 25(10):6122.

Skaer, R.J. (1965) 10-21108 F
J.Embryol.exp.Morph., 13(129)
The origin and continuous replacement of epidermal cells in the planarian Polycelis tenuis (Iijima)

Echelin, P. & I. Morris (1965) 10-21109 F
Biol.Rev., 40(2):143-88
The relationship between blue-green algae and bacteria

Fogg, G.E. & W.D.P. Stewart (1965) 10-21110 F
Sci.Progr., 53(210):191-203
Nitrogen fixation in blue-green algae

Wilson, A.T. (1965) 10-21111 F
Ecology, 46(3):376-7
Escape of algae from frozen lakes and ponds

Hare, T.A. & R.R. Schmidt (1965) 10-21112 F
J.cell.comp.Physiol., 65(1):63-9
Nitrogen metabolism during synchronous growth of Chlorella pyrenoidosa. 1. Protein amino acid distribution

Goriunova, S.V. (1965) 10-21113 F
Mikrobiol.,Moskva, 34(2):380
(Studies in microscopic algae (Reports to the 6th congress of the Hungarian biologists). Ru

Rianova, G.N. & S.V. Goriunova (1965) 10-21114 F
Mikrobiol.,Moskva, 34(2):268-73
(Amino acid composition of the blue-green algae Phormidium incinatuc (AG) Gom.). Ru

Ievner, V.D., M.V. Gusev & S.V. Shestakov (1965) 10-21115 F
Mikrobiol.,Moskva, 34(2):209-16
(Change in composition and content of pigments of blue-green algae as a function of spectral composition of light and of the illumination degree). Ru

Liang Tong, N.C.H., J.A. Gross 10-21116 F
& T.L. Jahn (1965)
J.Protozool., 12(2):153-60
Streptomycin- and pyribenzamine-induced
chlorosis in Euglena

Blum, J.J., J.R. Sommer & 10-21117 F
V. Kahn (1965)
J.Protozool., 12(2):202-10
Some biochemical, cytological, and morphogenetic comparisons between Astasia longa
and a bleached Euglena gracilis

Bonford, R. (1965) 10-21118 F
J.Protozool., 12(2):221-5
Infection of alga-free Paramecium bursaria
with strains of chlorella, Scenedesmus,
and a yeast

Lewis, S.C., J.A. Schiff & 10-21119 F
H.T. Epstein (1965)
J.Protozool., 12(2):281-91
Studies of chloroplast development in
Euglena. 9. Chloroplast antigens and
their appearance during chloroplast
development

Felföldy, L.J.M. (1965) 10-21120 F
Acta biol.Acad.Sci.hung., 15(3):351-61
Photosynthesis of the unicellular green
algal strain, Scenedesmus obtusiusculus
CHOD at various pH values

Furuta, Y. (1964) 10-21121 F
Bull.Freshw.Fish.Res.Lab., 14(1):55-66
(Fundamental study of Lake Yunoko for its
fisheries development. 3. Species
composition, distribution and standing
crop of plankton in summer season). Ni
En

Investigation of horizontal and vertical
distribution of plankton, estimation of
standing crop of zooplankton; species
composition and distribution of plankton,
and seasonal abundance.
Co 10-20820.

Tar, E. & L.J. Török (1964) 10-21122 F
Acta biol.Acad.Sci.hung., 15(6):34
Investigations on somatic twin-formation,
benignant and malignant tumours in the
species Dugesia tigrina (Planariidae,
Turbellaria)

Szabó, Z. (1964) 10-21123 F
Acta biol.Acad.Sci.hung., 15(6):18
The algological conditions of the
reservoir in the Rakaca-valley

Tóth, L. (1964) 10-21124 F
Acta biol.Acad.Sci.hung., 15(6):17
Utilization of various sugars by
unicellular green algal strain

Kiss, I. (1964) 10-21125 F
Acta biol.Acad.Sci.hung., 15(6):18-9
Studies on the facultative kryobiontism
of the algae

Uherkovich, G. (1964) 10-21126 F
Acta biol.Acad.Sci.hung., 15(6):17-8
Problems of quantitative analysis in
alga-coenoses of potamic plankton as
demonstrated on the example of the Tisza
River

Hortobágyi, T. (1964) 10-21127 F
Acta biol.Acad.Sci.hung., 15(6):9-13
The algae and their importance

Cseh, E. & E. Szabo (1964) 10-21128 F
Acta biol.Acad.Sci.hung., 15(6):17
Glycine uptake of Scenedesmus obtusiusculus

Fridvalszky, L., Z. Nemes & 10-21129 F
A. Kovács (1964)
Acta biol.Acad.Sci.hung., 15(6):19-21
A microcinematographical study of the
changes in viscosity of the cytoplasm
and its relation to the cell wall in
Closterium

Felföldy, L.J.M. (1964) 10-21130 F
Acta biol.Acad.Sci.hung., 15(6):16-7
Phenol tolerance of Scenedesmus
obtusiusculus Chod.

Cole, F.E. & R.R. Schmidt 10-21131 F
(1964)
Biochim.biophys.Acta, 90(3):616-9
Control of aspartate transcarbamylase
activity during synchronous growth of
Chlorella pyrenoidosa

McCalla, D.R. (1965) 10-21132 F
Science, 148(3669):497-9
Chloroplast mutagenesis: effect of N-methyl-N'-nitro-N-nitrosoguanidine and some other agents on *Euglena*

Lehn, H. (1965) 10-21133 F
Z.Naturf.(B), 20(4):379-83
Ufernahe Phytoplankton-Biozönosen des Bodensees und ihre Bedeutung für das Pelagial
(Phytoplankton biocoenoses near the shores of Lake Constance and their importance for the pelagial)

Kumar, H.D. (1964) 10-21134 F
Curr.Sci., 33(9):281-3
Pigment characteristics of antibiotic-resistant strains of a blue-green alga

Berzinś, B. (1963)A 10-21135 F
Hydrobiologia, 21(3/4):380-3
Two new *Keratella*, Rotatoria, from Australia

Prószyńska, M. (1963) 10-21136 F
Polsk.Arch.Hydrobiol., 11(24)(2):157-68
Cladocers and copepods of small water bodies of Tatra Mountains and Podhale region. Some remarks on typology of pools

Półtoracka, J. (1963) 10-21137 F
Polsk.Arch.Hydrobiol., 11(24)(2):189-217
Plankton roślinny jezior okolic Wegorzewa na tle ich właściwości środowiskowych
(Phytoplankton in lakes near Wegorzewo in the light of peculiarities of the environment).
Pl En Ru

Biernacka, I. (1963) 10-21138 F
Polsk.Arch.Hydrobiol., 11(24)(2):251-60
Zmiany w zespole organizmów planktonowych w Jeziorze Roznowskim
(Changes in the composition of plankton in the Roznow Lake). *Pl* En Ru

Jones, B.R. & J.B. Moyle (1963) 10-21139 F
Trans.Amer.Fish.Soc., 92(3):211-5
Populations of plankton animals and residual chlorinated hydrocarbons in soils of six Minnesota ponds treated for control of mosquito larvae

Short term effects of DDT upon summer populations of plankton animals in some Minnesota ponds are reported.

Cushing, C.E., Jr. (1963) 10-21140 F
Trans.Amer.Fish.Soc., 92(3):216-9
Filter-feeding insect distribution and planktonic food in the Montreal River

Presents data concerning the planktonic food and the occurrence and abundance of certain larval insect populations at two similar stream stations, one above and one below the series of lakes.

Cook, P.W. (1963) 10-21141 F
Phycologia, 3(1):1-18
Variation in vegetative and sexual morphology among the small curved species of *Closterium*

Sexual clones of *Closterium* belonging to the *C. venus* - *C. dianae* complex were isolated and studied in unialgal culture. Sexual morphology is considered an essential feature in the identification and description of taxa within this group of *Closterium*. *C. evesiculatum* is described as a n.sp.

Gowans, C.S. (1963) 10-21142 F
Phycologia, 3(1):37-44
The conspecificity of *Chlamydomonas eugametos* and *Chlamydomonas moewusii*: An experimental approach

The history of the isolation and description of this spp. is reviewed. Experiments are presented which show a close immunological and genetic relationship between these two species, and it is concluded that they are conspecific.

Cliburn, J.W. & B.Q. Ward 10-21143 F
(1963)
Amer.Midl.Nat., 69(2):508-9
Notes and discussion. Occurrence of Oophila amblystomatis (a symbiotic alga) in Ambystoma maculatum of the lower Gulf coastal plain

Recorded from three clutches of the eggs of A. maculatum which were collected in Forrest and Stone counties, in southeastern Mississippi.

Ohmann, E. (1963) 10-21144 F
Naturwissenschaften, 50(17):578
Verschiedene Mechanismen der Acetataktivierung in Grünalgen
(Different activity of acetatactivity in green algae)

Müller, K., A. Kureck & A. Müller-Haeckel (1963) 10-21145 F
Naturwissenschaften, 50(17):579-80
Zur Tagesperiodik von Niphargus aquilex schellenbergi Karaman (Gammaridae, Amphipoda)
(Diurnal periodicity of Niphargus aquilex schellenbergi Karaman (Gammaridae, Amphipoda))

Mrozińska-Webb, T. (1964)A 10-21146 F
Acta hydrobiol.,Kraków, 6(1):81-5
Two interesting species of Oedogonium found in the Goczałkowice Reservoir. Pl

Venkataraman, G.S. (1962) 10-21147 F
Indian J.Microbiol., 2:121-6
Effect of the extracellular substances produced in culture by Nostoc sp. and Chlorella vulgaris on their growth

BSEA 9(7):4578.

Godeanu, S. (1963) 10-21148 F
Stud.Cercet.Biol.(anim.), 15(3):365-89
Contributii la studiul rotiferilor din unele ape ale muntilor Bucegi
(Contribution to the study of the rotifers of some waters in the Bucegi mountains).
Ro Fr Ru

Notes on the collecting stations and systematic data with figures. Lists 89 species from altitudes between 1700 and 2010 m.

Tiuten'kov, S.K. (1961)C 10-21149 F
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:117-30
Metody perevozok mizid pri akklimatizatsii
(Methods of transporting mysids during acclimatization)

Mariyappagouder, B.Y. & K.J. Joseph (1961) 10-21150 F
J.Karnatak Univ.Sci., 6:89-96
Correlation between the natural populations of freshwater zooplankton (Cladocera, Copepoda and Rotifera) and some ecological factors

BSEA 9(6)3907.

Thresher, C.L. & H.E. Street (1962) 10-21151 F
Indian J.Plant Physiol., 5:117-27
Heterotrophic nutrition of Chlorella vulgaris (Brannon No. 1 strain). 2. 'Adaptation' to galactose as carbon source

BSEA 9(6)3950.

Lacroix, G. (1963) 10-21152 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:39-52
Production de zooplancton dans la Baie-des-Chaleurs
(Zooplankton production in the Chaleur Bay)

Drum, R.W. (1964)C 10-21153 F
Thesis, Iowa State University of Science and Technology, 118 p.
Ecology of diatoms in the Des Moines River

DA 25(11):6177.

McNaught, D.C. (1965)C 10-21154 F
Thesis, The University of Wisconsin, 223 p.
A study of some ecological relationships and the role of vision in the diel migrations of Daphnia

DA 25(11):6854.

Reeve, M.R. (1963) 10-21155 F
Biol.Bull.,Woods Hole, 125(1):133-45
Growth efficiency in Artemia under laboratory conditions

Studies efficiency of growth of four Artemia salina populations in different food concentrations.

Solski, A. (1962) 10-21156 F
Polsk.Arch.Hydrobiol., 10(23):111-65
Chlorofil w sestonie jako wskaźnik produkcyjności kilkunastu jezior w Polsce (Chlorophyll in the seston of some Polish lakes as an indicator of productivity). Pl En Ru

Kowalczyk, C. & S. Radwan (1962) 10-21157 F
Ekol.polsk.(B), 8(4):307-12
Wyniki dotychczasowych badań nad zooplanktonem (Rotatoria, Cladocera, Copepoda) jezior Duszatyńskich (The results of investigations carried out on zooplankton (Rotatoria, Cladocera, Copepoda) in Duszatynskie Lakes). Pl En

Półtoracka, J. (1962) 10-21158 F
Acta Soc.Bot.Polon., 31(4):667-82
Sezonowe zmiany planktonu roślinnego pięciu jeziorokolic Węgorzewa (Seasonal changes in phytoplankton of five lakes in Wegorzewo district). Pl En

Quantitative and qualitative seasonal changes in phytoplankton. Comparison between occurrence of various species in the lakes examined.

Grygierek, E. (1962)A 10-21159 F
Gospod.rybna, 14(6):20-1
Zooplankton jako pokarm ryb (Zooplankton as food for fish). Pl

Prószynska, M. (1962) 10-21160 F
Fragm.faun.Inst.Zool.polsk.Akad.Nauk, 10(3):27-34
Cladocera i Copepoda kilku zbiorników wodnych bagna Łuze w Puszczy Kampinoskiej koło Warszawy (Cladocera and Copepoda of several water reservoirs in the Luze swamp of the Kampinos Forest near Warsaw). Pl Ru De

Bohr, R. (1962) 10-21161 F
Studia Soc.Sci.torun.(D), 6(1):1-44
Socjologiczne badania perifitonu roślinnego w jeziorze Mamry (Phytosociological studies on the periphyton in Lake Mamry). Pl En

Periphyton algae form association with a steady structure and constant floristic composition. The alga association in the periphyton occurs all year round and has two seasonal aspects. In summer, green algae predominate, and in winter - diatoms. Within the uniform association two facies were distinguished, one with Cladophora glomerata dominating on the lower sections of stalks close to the bottom, on dead plants and stones, and the second facies with Oedogonium intermedium dominating in the layer of living stalks of reeds.

Rybak, J.I. (1962) 10-21162 F
Roczn.Nauk rol.(B), 81(2):291-305
Charakter rozwoju planktonu skorupiakowego w nawozonych organicznie stawach przesadkowych (The nature of development of crustacean plankton in fingerling ponds organically fertilized). Pl En Ru

Observations carried out on four ponds, two of which had been fertilized with horse manure, one sown with the mixture of rye and vetch, another one only with rye. Discussion is given of dynamical changes in numbers of the species examined. It was found that fertilization of primary nursery ponds with horse manure caused better development conditions for Daphnia longispina than green fertilization. No differences were found in the development of Crustacea.

Griffiths, D.J. (1965) 10-21163 F
Ann.Bot.,Lond., 29(115):347-57
The accumulation of carbohydrate in Chlorella vulgaris under heterotrophic conditions

Gupta, A.B. & D.N. Jha (1964) 10-21164 F
Curr.Sci., 33(3):85
Some observations on Basicladia chelonum (Collins) Hoffmann and Tilden

Michajłow, W. (1964) 10-21165 F
Bull.Acad.polon.Sci., 12(12):589-93
ASTASIELLA velox n. g., n. sp. (Euglenoidina)- Parasite of copepod eggs in the Balaton Lake (Hungary)

Michajłow, W. (1964) 10-21166 F
Bull.Acad.polon.Sci., 12(11):521-5
Astasia parva n. sp. (Flagellata) - Parasite of the alimentary duct of some copepods in the Balaton Lake (Hungary)

Coward, S.J. & R.A. Flickinger (1965) 10-21167 F
Growth, 29(2):151-63
Axial patterns of protein and nucleic acid syntheses in intact and regenerating planaria

Dugesia dorotocephala was investigated.

Chapman-Andresen, C. & H. Holter (1964) 10-21168 F
C.R.Lab.Carlsberg, 34:211-26
Differential uptake of protein and glucose by pinocytosis in *Amoeba proteus*

IABS 37(1)1795.

Lender, T. (1964) 10-21169 F
Ann.Endocr.,Paris, 25:61-5
(Neurosecretion in fresh water *Planaria*). *Fr*

IABS 38(3)7554.

Kishida, Y. (1965) 10-21170 F
Zool.Mag.,Tokyo, 74(5):149-55
(The ultrastructure of the eye in *Dugesia japonica* visual cell). *Ni* En

Microscopic study of the retinal rod and the stalk region of visual cell in the planarian eye.

Birky, C.W. Jr. (1965) 10-21171 F
J.exp.Zool., 158(3):349-55
Studies on the physiology and genetics of the rotifer, *Asplanchna*. 2. The genic basis of a case of male sterility

McMahon, J.W. (1965) 10-21172 F
Canad.J.Zool., 43(4):603-11
Some physical factors influencing the feeding behavior of *Daphnia magna* Straus

D. magna were fed on pure cultures of *Chlorella vulgaris* and *Saccharomyces cerevisiae* labelled with radioactive phosphorus.

Kawamura, R. (1964) 10-21173 F
Zool.Mag.,Tokyo, 73(5):147-52
(Morphological studies on the starved condition in the ciliate, *Condylostoma* spp. 2. Electron microscopical observation). *Ni* En

Changes in the structure of starved ciliate, which occurred during inter-divisional or pre-divisional stages, were traced under electron microscope.
Co 10-11329.

Hiller, R.G. (1964) 10-21174 F
J.exp.Bot., 15(43):15-20
Synthesis of citrulline and arginine in *Chlorella pyrenoidosa*

Hiller, R.G. & C.P. Whittingham (1964) 10-21175 F
J.exp.Bot., 15(43):21-8
The synthesis of amino-acids in *Chlorella* in light and dark. 1. Photosynthetic products in *Chlorella*

Syrett, P.J., S.M. Bocks & M.J. Merrett (1964) 10-21176 F
J.exp.Bot., 15(43):35-47
The assimilation of acetate by *Chlorella vulgaris*

Green, J. (1963) 10-21177 F
J.Anim.Ecol., 32(3):425-39
Seasonal polymorphism in *Scapholeberis mucronata* (O.F. Müller) (Crustacea: Cladocera)

A study during 1960 & 1961 on animals from Hampton Court Long Water, near London.

D'Ancona, U. (1963)A 10-21178 F
Proc.int.Congr.Zool., 16(2):165
Taxonomy and speciation in parthenogenetic populations of the freshwater plankton

Pr 62-078me.
Abstract only.

Benazzi, M. (1963) 10-21179 F
Proc.int.Congr.Zool., 16(2):209
Pseudogamy in planarians tested by sperm irradiation

X-irradiation of *Dugesia* and *Polycelis* sperm did not weaken its activity power.
Pr 62-078me.
Abstract only.

Jennings, J.B. (1963) 10-21180 F
Proc.int.Congr.Zool., 16(1):28
Digestion in triclad Turbellaria

Reports demonstration of cathepsin C peptidases responsible for extracellular digestion.
Pr 62-078me.
Abstract only.

Guttman, H.N. & A.D. Laderman 10-21181 F
(1963)
Proc.int.Congr.Zool., 16(1):32
Induction of males in a usually parthenogenetic rotifer

Males appear in cultures incubated in darkness then exposed to light periods of less than one hour.
Pr 62-078me.
Abstract only.

Aleev, B.S. & K.A. Mudretsova 10-21182 F
(1963)C
8732 (1 072)
The role of phytoplankton in the dynamics of nitrous substances in a florescent reservoir

En 1937, B.A. Aleev & K.A. Mudretsova.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Shrift, A. & M. Sproul (1963) 10-21183 F
Phycologia, 3(2):85-100
Sulfur nutrition and the taxonomy of Chlorella

Investigated the ability of 20 strains belonging to 7 species, to grow with D- or L-methionine replacing sulphur. Demonstrates considerable variation between strains of one species.

Patten, B.C., D.K. Young & M. 10-21184 F
Roberts (1963)
Spec.sci.Rep.Va Inst.Mar.Sci., (44):7 p.
Suspended particulate material in the lower York River, Virginia June 1961 - July 1962

Summarizes data obtained from 15 determinations of instantaneous seston levels and ostensible rates of fallout made at different depths between June 1961 and July 1962.

Kamat, N.D. (1963) 10-21185 F
Hydrobiologia, 22(3/4):209-305
The algae of Kolhapur, India

Records 402 taxa exclusive of diatoms including 39 new species, 28 new varieties and 14 new forms.

Vanamala, N.K. (1962) 10-21186 F
J.zool.Soc.India, 14:88-92
Studies on the fresh-water Protozoa of South India 1. Euglenoidina

BSEA 9(10)6872.

Whitford, L.A. & G.J. Schumacher 10-21187 F
(1963)
Hydrobiologia, 22(1/2):133-96
Communities of algae in North Carolina streams and their seasonal relations

Summarizes results of a four-year study. Streams in the coastal plain, Piedmont and mountain areas were sampled, habitat factors were measured, numbers of plankton organisms determined. Communities characteristic of the major types of streams are described.

Smirnov, N.N. (1963) 10-21188 F
Hydrobiologia, 22(1/2):202-7
On the seasonal distribution of inshore Cladocera of the Volga water reservoirs

Kittrell, F.W. & S.A. Furfari 10-21189 F
(1963)
J.Wat.Poll.Contr.Fed., 35(11):1361-85
Observations of coliform bacteria in streams

LZ 9(9)9136.

Kanno, F. (1964) 10-21190 F
Annot.zool.jap., 37(2):63-73
An analysis of amoeboid movement. 3. Ionic effect on the mechanical properties of surface structure of amoeba

Effects of chemical agents on the elasticity of surface structure investigated by a suction method, with special reference to the significance of calcium ions and the maintenance of elasticity.

Kawakami, H. & R. Yagiu (1964)A 10-21191 F
Zool.Mag., Tokyo, 73(2):33-8
(The electron microscopical study of the change of fine structures in the ciliate, Colpoda cucullus, during its life cycle. 4. The abandonment of the first layer of the resting cyst membrane during the early stage of excystment). Ni En

Kawakami, H. & R. Yagiu (1964)A 10-21192 F
Zool.Mag., Tokyo, 73(3):78-83
(The electron microscopical study of the change of fine structures in the ciliate, Colpoda cucullus, during its life cycle. 5. The abandonment of the second layer of the resting cyst membrane during the stage of excystment). Ni En

Co 10-21191.

Aksenova, E.I. & E.V. Sokolova (1961)C 10-21193 F
In 10-20151
Fitoplankton Nizhnego Dona v sviazi s gidrokhimicheskimi faktorami v 1960 godu
(The phytoplankton of the Lower Don in relation to hydrochemical factors in 1960)

Karpus', L.T. (1961)C 10-21194 F
In 10-20151
Usloviia zagotovki mizid v Donu i ikh transportirovka
(Conditions affecting the preparation of mysids in the Don and their transportation)

Gubina, G.S. (1961)C 10-21195 F
In 10-20151
Vliianie gidrokhimicheskogo rezhima na dinamiku fitoplanktona prudov
(The effect of hydrochemical regime on the dynamics of pond phytoplankton)

Zaika, M.S. (1961)C 10-21196 F
In 10-20151
Dinamika biomassy zooplanktona v Uziakskom nerestovo-vyrastnom khoziaistve v 1960 g.
(Dynamics of the zooplankton biomass in the Uziak spawning and breeding farm in 1960)

Mazepova, G.F. (1961) 10-21197 F
Zool.Zh., 40:1465-9
Morfologiia Cyclops kolensis Lill iz raznykh mestoobitanii
(Morphology of Cyclops kolensis Lill from various habitats)

Malovitskaia, L.M. (1961) 10-21198 F
Biull.Inst.Biol.Vodokhran., (10):35-7
Sezonnaia dinamika Eudiaptomus gracilis Sars i E. graciloides (Lill.), Copepoda, Calanoida, v Rybinskom vodokhranilishche
(Seasonal dynamics of Eudiaptomus gracilis Sars and E. graciloides (Lill.), Copepoda, Calanoida, in the Rybinsk Reservoir)

Pidgaiko, M.L. (1961) 10-21199 F
Trudy Inst.Gidrobiol.,Kiev, (36):230-41
O forsirovanii zooplanktona pridunaiskikh vodoemov
(Forcing zooplankton in bodies of water in the Danube area). En

Monakov, A.V. & Iu.I. Sorokin (1961) 10-21200 F
Trudy Inst.Biol.Vodokhran., (4/7):251-61
Kolichestvennye dannye o pitanii dafnii
(Quantitative data on Daphnia diet)

Malovitskaia, L.M. & Iu.I. Sorokin (1961) 10-21201 F
Trudy Inst.Biol.Vodokhran., (4/7):262-72
Eksperimental'noe issledovanie pitaniia Diaptomus, Crustacea, Copepoda, s pomoshch'iu C^{14}
(Experimental investigation of Diaptomus (Crustacea, Copepoda) diet, using C^{14})

Minkiavichus, A.N. (1961) 10-21202 F
Trud.Lab.Ozerov., 14:228-30
Nekotorye dannye po fitoplanktonu malykh vodoemov Nizhnego Povolzh'ia i Prikaspiiskoi nizmennosti
(Some data on phytoplankton in small bodies of water in the Lower Volga area and the Caspian lowlands)

Petrova, N.A. (1961) 10-21203 F
Trud.Lab.Ozerov., 12:211-35
Sostav i dinamika fitoplanktona Iakimvarskogo zaliva
(Composition and dynamics of Iakimvar Gulf phytoplankton)

Den'gina, R.S. (1961) 10-21204 F
Trud.Lab.Ozeroved.Akad.Nauk SSSR, 12:236-66
Zooplankton shkhernoi chasti Ladozhskogo ozera
(Zooplankton of the cliff-surrounded part of Lake Ladoga)

Buchner, H., H. Kiechle & P. Hamm (1965) 10-21205 F
Naturwissenschaften, 52(12):352
Zur Fortpflanzungsbiologie der Rädertiere
(On the biology of reproduction of Rotatoria)

Investigations on Asplanchna sieboldi.

Eisenstadt, J. & G. Brawerman (1963) 10-21206 FG
Biochim.biophys.Acta, 76(2):319-21
The incorporation of amino acids into the protein of chloroplasts and chloroplast ribosomes of Euglena gracilis

Daniels, E.W. & N. Reed (1963) 10-21207 FG
Proc.int.Congr.Zool., 16(2):291
Golgi fine structure in a radiosensitive giant amoeba

Electron microscope study of Golgi bodies in Pelomyxa.
Pr 62-078me.
Abstract only.

Watt, W.D. & E. Paasche (1963) 10-21208 FG
Physiol.Plant., 16(3):674-81
An investigation of the conditions for distinguishing between CO_2 and bicarbonate utilization by algae according to the methods of Hood and Park

A theoretical discussion of the methods and an investigation using Chlorella pyrenoidosa.

BENTHOS

Utinomi, H. (1961) 10-21209 M
Publ.Seto Mar.biol.Lab., 9(2):413-46
Studies on the cirripedia acrothoracica
3. Development of the female and male of Berndtia purpurea utinomi

Co 61-09258.

Liaci, L. (1962) 10-21210 M
Boll.Zool., 29(2):425-31
Natura e localizzazione di un pigmento fluorescente in Aaptos aaptos O.S. (Demospongiae)
(Nature and localization of a fluorescent pigment in Aaptos aaptos O.S. (Demospongiae)). It En

Sarà, M. (1962) 10-21211 M
Pubbl.Sta.zool.Napoli, (32)Suppl.:44-57
Zonazione dei Poriferi in biotopi litorali
(Zonation of Porifera in littoral biotopes). It

Clark, A.M. (1962) 10-21212 M
Rep.B.A.N.Z.antarct.Exped.(B), 9:104 p.
Asteroidea

Collecting stations; systematics of 77 spp. (7 being new) with key to the orders and families of sea stars found in the Southern Ocean.

Yamamoto, T. & T. Habe (1961) 10-21213 M
Publ.Seto Mar.biol.Lab., 9(2):265-6
NIPPONOMONTACUTA actinariophila gen. et sp. nov., a new commensal bivalve of the sea anemone

Baba, K. (1961) 10-21214 M
Publ.Seto Mar.biol.Lab., 9(2):367-72
Three new species of the genus Catriona from Japan (Nudibranchia-Eolidacea)

Tokioka, T. (1961) 10-21215 M
Publ.Seto Mar.biol.Lab., 9(2):267-332
The structure of the operculum of the species of Atlantidae (Gastropoda: Heteropoda) as a taxonomic criterion, with records of some pelagic mollusks in the North Pacific

Hamatani, I. (1961) 10-21216 M
Publ.Seto Mar.biol.Lab., 9(2):363-5
Preliminary account of a new species of Okenia from Osaka Bay, Japan (Nudibranchia-Goniodorididae)

Mori, S. (1961) 10-21217 M
Publ.Seto Mar.biol.Lab., 9(2):373-8
Rhythmic activity of the seaside barnacle Tetraclita squamosa japonica Pilsbry in winter

Hoese, H.D. (1962) 10-21218 M
Proc.nat.Shellfish.Ass., 53:161-74
Studies on oyster scavengers and their relation to the fungus Dermocystidium marinum

Sims, H.W. Jr. (1965) 10-21219 M
Quart.J.Fla Acad.Sci., 27(4):348
Large quahog clams from Boca Ciega Bay

Southward, A.J. (1962) 10-21220 M
J.Mar.biol.Ass.U.K., 42(2):164-78
On the behaviour of barnacles. 4. The influence of temperature on cirral activity and survival of some warm water species

Balanus eburneus and B. improvisus, Chthamalus depressus and C. stellatus C. fragilis.

Takano, H. (1962) 10-21221 M
J.oceanogr.Soc.Japan, 18(1):29-33
Notes on epiphytic diatoms upon sea-weeds from Japan

Ushakov, P.V. (1962) 10-21222 M
Okeanologiia, 2(3):573-5
(J.M. Pérès. Biological oceanography and marine biology. 1. Benthic life).
Ru

Yamagami, K. (1963) 10-21223 M
Zool.Mag., Tokyo, 72(9):252-5
(Changes in the amounts of some endogenous phosphates in the development of sea urchin). Ni En

Yasumasu, I. (1963) 10-21224 M
Zool.Mag., Tokyo, 72(5):160-2
(Geotaxis of swimming sea-urchin larvae).
Ni En

Yasumasu, I. & H. Koshihara (1963) 10-21225 M
Zool.Mag., Tokyo, 72(9):259-62
(Amino acyl RNA and transfer enzyme in sea urchin eggs). Ni En

Williams, A.B. (1962) 10-21226 M
Crustaceana, 4(1):39-41
A re-examination of Ovalipes species in the Carolinas (Decapoda, Portunidae)

Ovalipes ocellatus ocellatus (Herbst)
O.o. guadulpensis.

Guinot, D. (1962) 10-21227 M
Boll.Mus.Stor.nat.Venezia., (15):7-64
Sur une collection de Crustacés Décapodes Brachyoures de Mer Rouge et de Somalie
(On a collection of Crustacea (Decapoda, Brachyura) from the Red Sea and Somaliland)

46 species of crabs from Red Sea and 22 from Ras Hafun were determined. Three new species are described.

Lohavanijaya, P. & E.F. Swan (1965) 10-21228 M
Biol.Bull., Woods Hole, 129(1):167-80
The separation of post-basicoronal areas from the basicoronal plates in the interambulacra of the sand dollar, Echinarachnius parma (Lamarck)

Mills, A.A. (1962) 10-21229 M
Mar.Sci.Instrument., 1:239-43
The bathypage

A design study for an apparatus to obtain living specimens of the bathypelagic fauna.

Paladian, G. (1962) 10-21230 M
Trav.Mus.Hist.nat.Gr.Antipa, 3:69-74
Contributions à l'étude des nématodes libres du littoral Roumain de la Mer Noire
(Contributions to the study of free-living nematodes of the Rumanian littoral region of the Black Sea)

Menzies, R.J. (1962) 10-21231 M
Vema Res.Ser., (1):79-206
The isopods of abyssal depths in the Atlantic Ocean

Menzel, R.W. & M.Y. Menzel (1965) 10-21232 M
Biol.Bull.,Woods Hole, 129(1):181-8
Chromosomes of two species of quahog clams and their hybrids

Nagabhushanam, R. & R. Sarojini (1965) 10-21233 M
Sci.Cult., 31(1):43-4
Influence of low salinity upon the oxygen consumption in the hermit crab. Pagurus longicarpus Say

ISA 1(4)3683.

Provenzano, A.J., Jr. & A.L. Rice (1964) 10-21234 M
Crustaceana, 7, pt.3:217-35
The larval stages of Pagurus marshi Benedict (Decapoda, Anomura) reared in the laboratory

Picci, G. & O. Verona (1964) 10-21235 M
Ric.sci.(2-B), 4(1):85-96
Sulla flora blastomicetica di alcuni animali marini
(On the blastomycetic flora of some marine animals). It En Fr De

Numerous strains of yeast isolated from fishes and other marine animals from the northern part of the Tyrrhenian Sea were determined. Sporogenous yeasts were infrequent, asporogenous ones were more common and almost exclusively Candida species.

Patricolo, E. (1964) 10-21236 M
Ric.sci.(2-B), 5(1):71-6
Ricerche istochimiche sull'uovo di ascidie in sviluppo
(Histochemical studies on the ascidian egg during development). It En Fr De

The localization of some enzymes in the ascidian egg (Ciona intestinalis) was studied by the use of the cryostat and by means of some cytochemical specific reactions.

Mosher, C. (1965) 10-21237 M
Bull.mar.Sci., 15(1):255-8
Notes on natural evisceration in the sea cucumber Actinopyga agassizi Selenka

Barnes, H. & M. Barnes (1962) 10-21238 M
Acta Univ.lund., 58(8):41 p.
The distribution and general ecology of Balanus balanoides together with some observations on Balanus improvisus in the waters around the coasts of Denmark southern Sweden, and northeast Germany

Beliaev, G.M. (1962) 10-21239 M
Okeanologiia, 2(2):311-26
(The beaks of the cephalopods in the bottom sediments of the ocean). Ru

Kain, J.M. (1962) 10-21240 M
J.Mar.biol.Ass.U.K., 42(2):377-85
Aspects of the biology of Laminaria hyperborea. 1. Vertical distribution

Profiles of bottoms near the shore of the Isle of Man and two areas of Scotland are described, together with the vertical distribution of species of Laminariaceae.

Franco, P. (1964) 10-21241 M
Ric.sci.(2-B), 4(1):35-44
Osservazioni sulle comunitá "fouling" nel porto del canale di Malamocco (Laguna veneta)
(Observations on the fouling communities in the Malamocco Channel, Lagoon of Venice). It En Fr De

Preliminary results of research into the composition, structure and chronologic variations of the fouling communities developed on experimental surfaces immersed in the surface-waters of the channel.

Gnanamuthu, C.P. (1965) 10-21242 M
Curr.Sci., 34(2):53-4
Changes in volume of a prawn moulting in hypotonic sea-water

ISA 1(4)3677.

Holmsen, A.A. (1965) 10-21243 M
Maritimes, 9(3):10-3
The economics of dredging quahogs in Rhode Island

Kain, J.M. (1964) 10-21244 M
Br.phycol.Bull., 2(5):390
The growth of gametophytes and young sprorophytes of Laminaria hyperborea under various artificial conditions

Mateu, G. (1965) 10-21245 M
Publnes Inst.Biol.apl.Barcelona, 39:129-35
Datos para el estudio de los Foraminíferos alguícolas del litoral de Blanes (Gerona)
(Data for the study of Foraminifera inhabiting algae from the sea-shore of Blanes (Gerona)). En

Describes living Foraminifera inhabiting algae in seashore. Lists most common spp. and their relative abundance.

De Haro, A. (1965) 10-21246 M
Publnes Inst.Biol.apl.Barcelona, 39:137-45
Picnogónidos de la fauna española. Picnogónidos posidonícolas de las islas Medas (Gerona)
(Picnogonides from the Spanish fauna. Picnogonides inhabiting Posidonia of the Medas Islands (Gerona)). En

Liuzzo, J.A., A.F. Novak & J.R. Ortego (1965) 10-21247 M
J.Fd Sci., 30:710-3
Physiological changes induced by gamma irradiation of bacteria from shrimp

Seven radioresistant bacteria were isolated and identified from fresh Gulf shrimp. Bacteria were classed as follows: Brevibacterium minutiferula, Gaffkya homari, Sarcina flava, Bacillus megaterium, Achromobacter eurydice, Bacillus firmus, and Bacillus pumilus.
NSA 20(4)5346.

Jones, G.E. (1963)C 10-21248 M
In 9-08019:572-9
Suppression of bacterial growth by sea water

Issued also as: Contr.Scripps Instn Oceanogr., (1486), 1964.

Van Uden, N. & C.E. ZoBell (1962) 10-21249 M
Antonie van Leeuwenhoek, 28:275-83
Candida marina nov. spec., Torulopsis torresii nov. spec. and T. maris nov. spec., three yeasts from the Torres Strait

Issued also as: Contr.Scripps Instn Oceanogr., (1491), 1964.

Hashimoto, Y. & J. Tsutsumi (1963) 10-21250 M
Chem.Abstr., 58, 3715g
Photosensitization of animals by the viscera of abalones, Haliotis species

CFA 17(3):27.

Millard, N.A.H. (1964) 10-21251 M
Ann.S.Afr.Mus., 48(1):1-56
The Hydrozoa of the south and west coasts of South Africa. 2. The Lafoeidae, Syntheciidae, and Sertulariidae

Co 9-02145.

Nesis, K.N. (1964)C 10-21252 M
ETC, TT-65-61526
Variations in the bottom fauna of the Barents Sea under the influence of fluctuations in the hydrological regime (on the section of the Kola meridian)

En 61-07374.
Available from European Translations Centre, Delft, Netherlands.

Meusy, J.-J. (1965) 10-21253 M
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(22): 5901-3
Modifications ultrastructurales des glandes androgènes de Carcinus maenas L. (Crustacé Décapode) consécutives à l'ablation des pédoncules oculaires
(Ultrastructural modifications of androgenic glands of Carcinus maenas L. (Crustacea Decapoda) resulting from ablation of ocular peduncles)

Delamare Deboutteville, C.D. & J. Renaud-Mornant (1965) 10-21254 M
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(9):2581-3
Un remarquable genre de Tardigrades des sables coralliens de Nouvelle-Calédonie (An outstanding genus of tardigrads from the coral sand of New Caledonia)

Preliminary note describing *Florarctus heimi*, n.sp.

Thivy, F. & E.R.R. Iyengar (1963)A 10-21255 M
Bot.mar., 5(2/3):33-7
A new record of *Griffithsia rhizophora* (Grunow) ex Weber-van Bosse, for India.
De

Baltzer, F. & P.S. Chen (1965) 10-21256 M
Experientia, 21(4):194-6
A study of DNA synthesis in sea urchin hybrids by the incorporation of H^3-thymidine

Scheltema, R.S. (1964) 10-21257 M
Chesapeake Sci., 5(4):161-6
Feeding habits and growth in the mud-snail *Nassarius obsoletus*

McErlean, A.J. (1964) 10-21258 M
Chesapeake Sci., 5(4):200-8
Characteristics of *Macoma balthica* populations in the middle Patuxent estuary

Zavarzin, G.A. (1964) 10-21259 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 154(1-6):88-90
The mechanism of manganese deposition of mollusk shells

Investigates shells of *Macoma baltica* from the Gulf of Riga.
En 9-11218.

Tsuda, R.T. (1964) 10-21260 M
Atoll Res.Bull., 105:13 p.
Floristic report on the marine benthic algae of selected islands in the Gilbert group

BAgr. 29(4)28927.

Almodovar, L.R. (1964) 10-21261 M
Rev.algol., 7(2):129-50
The marine algae of Guanica, Puerto Rico

BAgr. 29(3)19625.

Round, F.E. (1964)C 10-21262 M
In 10-21031:138-84
The ecology of benthic algae

BAgr. 29(3)20200.

Galutira, E.C. & G.T. Velasquez (1963) 10-21263 M
Philipp.J.Sci., 92(4):483,522
Taxonomy, distribution and seasonal occurrence of edible marine algae in Ilocos Norte, Philippines

BAgr. 29(3)19641.

Walne, P.R. (1964) 10-21264 M
Symp.Brit.ecol.Soc., 4:247
Grazing by marine bivalve larvae

BAgr. 29(3)20222. Abstract only.

Dawson, E.Y. (1963) 10-21265 M
Nova Hedwigia, 6(3/4):401-81
Marine red algae of Pacific Mexico 8. Ceramiales: Dasyaceae, Rhodomelaceae

Co 9-02202.
BAgr. 29(2)10725.

Dawson, E.Y., C. Acleto & N. Foldvik (1964) 10-21266 M
Nova Hedwigia Beih., 13:111 p.
The seaweeds of Peru

BAgr. 29(2)10726.

Segawa, S., T. Sawada & T. Yoshida (1964) 10-21267 M
Sci.Bull.Fac.Agric.Kyushu, 21(1):111-5
(Studies on the floating seaweeds 9. The floating seaweeds found on the sea around Japan). Ni En

BAgr. 29(1)230.

Delepine, R. & J.C. Hureau (1963) 10-21268 M
Bull.Mus.Hist.nat.,Paris(B), 35(1):108-15
(The marine vegetation in the archipelago of Geology Point (Adelie Coast)(preliminary survey)). Fr

Algae zonation in Antarctica.
BAgr. 29(1)651.

Taniguchi, M. (1964) 10-21269 M
Amatores Herb., 25(1/2):7-8
(Marine algal community along the coasts of Okitsu, Shizuoka Prefecture). Ni En

BAgr. 29(1)700.

Stempien, M.F. Jr., R.F. Nigrelli & G. Pulitzer (1965) 10-21270 M
Nature,Lond., 207(4993):217
Further observations on the Caribbean sponge Cryptotethya crypta (de Laubenfels)

Crossett, R.N., E.A. Drew & A.W.D. Larkum (1965) 10-21271 M
Nature,Lond., 207(4996):547-8
Chromatic adaption in benthic marine algae

About 40 spp. of Chlorophyceae, Phaeophyceae and Rhodophyceae from the south coast of Malta were investigated.

Rodrigues, J.E. de M. (1963) 10-21272 M
Mems Soc.broteriana, 16:5-124
Contribuição para o conhecimento das Phaeophyceae da costa Portuguesa (Contribution to the knowledge of the Phaeophyceae of the Portuguese coast). Pr

BAgr. 29(1)229.

Russell, G. (1964) 10-21273 M
Biol.J.Univ.St.Andrews, 4(1):5-11
Attitudes in intertidal ecology 2.

Chiefly algae as examples.
BAgr. 29(1)688.

Tanita, S. (1965) 10-21274 M
Bull.Japan Sea Fish.Res.Lab., (14):43-66
Report on the sponges obtained from the adjacent waters of the Sado Island, Japan Sea. Ni

Systematic list and ill. description of 22 spp. belonging to 17 genera, 8 spp. being new to science. The new spp. are Kallypilidion negro, Esperiopsis plumosa, Tetilla ginzan, Geodinella hyotania, Jaspis sadoensis, Stelletta gigantea, S. ovalae and S. splendens.

Pawson, D.L. (1965) 10-21275 M
Pacif.Sci., 18(4):453-70
The Holothuroidea collected by the Royal Society Expedition to southern Chile, 1958-59

Ill. description and diagnoses of 10 spp. belonging to 10 genera incl. NEOPSOLDIUM n.g.

Anderson, D.T. (1965) 10-21276 M
Aust.J.Zool., 13(1):1-15
Embryonic and larval development and segment formation in Ibla quadrivalvis Cuv. (Cirripedia)

Ill. description of general features of embryonic and larval development, and ill. account of post-naupliar segment formation.

Sugi, H., R. Ochi & M. Udo (1965) 10-21277 M
Zool.Mag.,Tokyo, 74(2):46-53
(The response of tunicate heart to electrical stimulation). Ni En

Results of experiment carried out to ascertain the effect of electrical current applied to the heart of Ciona intestinalis and Styela plicata.

Tanita, S. (1965) 10-21278 M
Bull.Japan Sea Fish.Res.Lab., (14):95-7
(A sponge and a hermit-crab). Ni

Tanita, S. (1965) 10-21279 M
Bull.Japan Sea Fish.Res.Lab., (14):67-70
Two sponges from the southwestern region of the Japan Sea

Ill. description of Raspailia kasumiensis n. sp. and Suberites virgultosa (Johnston).

ANON. (1965) 10-21280 M
Fish.Newslett.Aust., 24(4):31
Researcher to hunt Teredo

Note on joint investigation by the U.N. and the Indian Government into control of Teredo, a molluscan borer.

Zullo, V.A. & W.A. Newman (1964) 10-21281 M
Pacif.Sci., 18(4):355-72
Thoracic Cirripedia from a southeast Pacific guyot

Diagnoses and descriptions for Megalasma elegans sp. nov., Verruca scrippsa sp. nov. and Balanus (Solidobalanus) nascanus sp. nov.

Rangarajan, K. (1964) 10-21282 M
J.Mar.biol.Ass.India, 6(1):122-7
A new polychaete of the family Pilargidae from Palk Bay, South India

Ill. morphological description of Ancistargis brevicirris sp. nov. and comparison with A. papillosus Jones and A. matsunagaensis (Kitamori) (Pilargis matsunagaensis Kitamori).

Tampi, P.R.S. & K. Rangarajan (1964) 10-21283 M
J.Mar.biol.Ass.India, 6(1):98-121
Some polychaetous annelids from the Andaman waters

Lists 43 spp. with brief descriptions; essential details of the setae etc. and some figures; list of synonyms is given.

Pillai, R.S. (1964) 10-21284 M
J.Mar.biol.Ass.India, 6(1):42-7
Four species of Caridina from Travancore, including a new variety

Brief description of Caridina laevis, C. gracilirostris, C. weberi var. sumatrensis and C. nilotica var. veliensis var. nov. A key is presented for these spp.

Baba, K. (1964) 10-21285 M
Publ.Seto Mar.biol.Lab., 12(4):289-94
The anatomy of Rizzolia lineata (Eliot) (Nudibranchia-Eolidoidea)

Ill. anatomical description as an aid to speculation about the relations between spp. of Rizzolia, or between genera of the family Favorinidae.
Issued also as: Contr.Seto Mar.biol.Lab., (425).

Barashkov, G.K. (1961) 10-21286 M
Bot.Zh., 46:463-5
Pervoe vsesoiuznoe nauchno-tekhnicheskoe soveshchanie po vodoroslevoi promyshlennosti (17-21 oktiabria 1960 g., Arkhangel'sk)
(The first All-Union scientific and technical conference on the seaweed industry, Arkhangel, 17-21 October 1960)

Vinogradov, K.A. (1960) 10-21287 M
Nauchnyi Ezheg.odess.Gosuniv., (2):143-4
O rasprostranenii v Chernom i Azovskom moriakh mnogoshchetinkovykh chervei Lycastopsis pontica (Polychaeta: Nereidae)
(A note on the distribution of the marine bristle-worms Lycastopsis pontica (Polychaeta: Nereidae) in the Black Sea of Azov)

Grinbart, S.B. (1960) 10-21288 M
Nauchnyi Ezheg.odess.Gosuniv., (2):144-9
K izucheniiu zoobentosa limana Sasyk
(A note on the zoobenthos of the Sasyk liman)

Grinbart, S.B. (1960) 10-21289 M
Nauchnyi Ezheg.odess.Gosuniv., (2):160-2
Ob ispol'zovanii v Grigor'evskom limane kormovykh resursov bentosa bentosoiadnymi rybami
(Utilization of benthic nutrient resources by benthophagic fishes in the Grigor'evsk liman)

Vinogradov, K.A. (1960) 10-21290 M
Nauchnyi Ezheg.odess.Gosuniv., (2):140-1
O nakhozhdenii skoplenii fillofory v severovostochnoi chasti Chernogo moria v raione Anapy
(The discovery of Phyllophora swarms in the north-eastern Black Sea near Anapa)

Ross, D.M. (1965) 10-21291 M
Science, 148(3669):527-8
Preferential settling of the sea anemone Stomphia coccinea on the mussel Modiolus modiolus

Zullo, V.A. (1963) 10-21292 M
Ann.Mag.nat.Hist., 6(70):587-94
A review of the subgenus Armatobalanus Hoek (Cirripedia: Thoracica), with the description of a new species from the California coast

Rahman, H. (1964) 10-21293 M
Parasitology, 54:695-8
On the morphology of the hitherto undescribed male of *Spinitectus oviflagellis* Fourment, 1884 (Nematoda: Rhabdochonidae)

Issued also as: *Mar.Repr.Mar.Lab.,Aberdeen*, (271).

Solari, A.J. (1965) 10-21294 M
Proc.nat.Acad.Sci.,Wash., 53(3):503-11
Structure of the chromatin in sea urchin sperm

Fresh sperm from *Strongylocentrotus purpuratus* was used for experiments.

Ursprung, H. & E. Schabtach (1964) 10-21295 M
J.exp.Zool., 156(3):253-67
The fine structure of the egg of a tunicate, *Ascidia nigra*

Timourian, H. & A. Tyler (1965) 10-21296 M
Proc.Soc.exp.Biol.,N.Y., 118(3):779-86
The dispensability of complement for antidevelopmental action of antisera against fertilizin in sea urchin eggs

Flint, P. (1965) 10-21297 M
Anim.Behav., 13(1):187
The effect of sensory deprivation on the behaviour of polychaete *Nereis* in T-mazes

Isenberg, H.D. *et al.* (1965) 10-21298 M
Trans.N.Y.Acad.Sci., 27(5):530-46
The influence of age and heterotrophic nutrition on calcium deposition in a marine coccolithophorid protozoon

Farragut, R.N. (1965) 10-21299 M
J.Fd Sci., 30(3):538-45
Proximate composition of Chesapeake Bay blue crab (*Callinectes sapidus*)

Young, J.Z. (1965) 10-21300 F
Phil.Trans.(B), 249(754):1-25
The central nervous system of *Nautilus*

De La Cruz, A.A. & A.B. Chaet (1965) 10-21301 M
Embryologia,Nagoya, 8(4):337-45
A study of the serum proteins of young and old horse-shoe crabs (*Limulus polyphemus* L.)

Kessel, R.G. (1965) 10-21302 M
Z.Zellforsch., 66(1):106-18
The role of the Golgi complex in the formation of secretion in the test cells of the follicle of the tunicate, *Ciona*

Baltus, E. *et al.* (1965) 10-21303 M
Biochim.biophys.Acta, 95(3):408-18
Biochemical studies of nucleate and anucleate fragments isolated from sea-urchin eggs. A comparison between fertilization and parthenogenetic activation (BBA 95132)

Passano, L.M. & C.B. McCullough (1965) 10-21304 M
J.exp.Biol., 42(2):205-33
Co-ordinating systems and behaviour in *Hydra*. 2. The rhythmic potential system

Harris, P. (1965) 10-21305 M
Mitosis, 25(1/2):73-9
Some observations concerning metakinesis in sea urchin eggs

Hiramoto, Y. (1965) 10-21306 M
Mitosis, 25(1/2):161
Further studies on the cell division without mitotic apparatus in sea urchin eggs

Franklin, L.E. (1965) 10-21307 M
J.Cell Biol., 25(2):81-101
Morphology of gamete membrane fusion and of sperm entry into oocytes of the sea urchin. 2

Ross, D.M. & L. Sutton (1965) 10-21308 M
J.exp.Biol., 41(4):751-9
Inhibition of the swimming response by food and of nematocyst discharge during swimming in the sea anemone *Stomphia coccinea*

Josephson, R.K. (1965) 10-21309 M
J.exp.Biol., 42(1):139-53
Three parallel conducting systems in the stalk of a hydroid

Hagiwara, S. (1965) 10-21310 M
J.gen.Physiol., 48(5):55-9
Relation of membrane properties of the giant muscle fiber of a barnacle to internal ionic composition

Rahaman, A.A. (1965) 10-21311 M
Curr.Sci., 34(7):217-8
Nitrogen content of the lamellibranch *Donax cuneatus* Linnaeus

Chen, P.S. & F. Baltzer (1964) 10-21312 M
Experientia, 20(4):236
Further morphological and biochemical studies on normal and hybrid embryos of sea urchins (Studiorum progressus)

Kikuchi, R., M. Ihnuma & S. Tachi (1965) 10-21313 M
Naturwissenschaften, 52(10):265-6
Different cellular components in ommatidia of horseshoe crab, Tachypleus tridentatus

Ward, J. (1965) 10-21314 M
Canad.J.Zool., 43(3):447-65
The digestive tract and its relation to feeding habits in the stenoglossan prosobranch Coralliophila abbreviata (Lamark)

Land, M. (1964) 10-21315 M
J.Physiol., 175(1):9-10
The eye of the scallop: a concave reflector

Millott, N. & H.G. Vevers (1964) 10-21316 M
Nature,Lond., 204(4964):1216-8
Axial organ and fluid circulation in echinoids

Olsson, T. (1965) 10-21317 M
Nature, Lond., 206(4986):843-4
Changes in metabolism of ribonucleic acid during the early embryonic development of the sea urchin

Parker, P.L. & R.F. Leo (1965) 10-21318 M
Science, 148(3668):373-4
Fatty acids in blue-green algal mat communities

Squires, D.F. (1965) 10-21319 M
Science, 148(3669):503-6
Neoplasia in a coral?

Lehnoff, H.M. (1965) 10-21320 M
Science, 148(3673):1105-7
Cellular segregation and heterocytic dominance in Hydra

Holland, N.D. (1965) 10-21321 M
J.exp.Zool., 158(3):275-83
An autoradiographic investigation of tooth renewal in the purple sea urchin (Strongylocentrotus purpuratus)

Ward, J.A. (1965) 10-21322 M
J.exp.Zool., 158(3):357-65
An investigation on the swimming reaction of the anemone Stomphia coccinea. 1. Partial isolation of a reacting substance from the asteroid Dermasterias imbricata

Ward, J.A. (1965) 10-21323 M
J.exp.Zool., 158(3):365-73
An investigation on the swimming reaction of the anemone Stomphia cocccinea. 2. Histological location of a reacting substance in the asteroid Dermasterias imbricata

Co 10-21322.

Rappaport, R. & R.P. Ebstein (1965) 10-21324 M
J.exp.Zool., 158(3):373
Duration of stimulus and latent periods preceding furrow formation in sand dollar eggs

Molinaro, M. & T. Hultin (1965) 10-21325 M
Exp.Cell Res., 38(2):398-412
The anomalous potassium requirement of amino acid incorporating systems from sea urchin eggs

Wagner, H. & P. Pohl (1965) 10-21326 M
Biochem.Z., 341(5):476-85
Mikroanalyse der ungesättigten Fettsäuren von Meeresalgen (Grün-, Rot- und Braunalgen)
(Micro-analysis of unsaturated fatty acids of green, red and brown sea algae)

Sakai, Y. & T. Funano (1965) 10-21327 M
Sci.Rep.Hokkaido Fish.Exp.Sta., (3):39-50
(The young sporophyte of Laminaria from Hokkaido, Japan. 1. On young sporophytes of Laminaria religiosa and L. japonica).
Ni En

Ill. morphological descriptions.

Funakoshi, S. (1964) 10-21328 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1156-60
(Studies on the method using saturated salt solution to kill Polychaeta. 1. On killing Polychaeta inhabiting mother oyster shells).
Ni

Okutani, T. (1965) 10-21329 M
Bull.Tokai Fish.Res.Lab., (41):23-9
(Studies on early life history of decapodan Mollusca. 1. A synoptic report on rhynchoteuthion larva of Todarodes pacificus Steenstrup). Ni En

Ill. description of development and comparison with genera Ommastrephes & Symplectoteuthis.

Ducoff, H.S., B.D. Butler & E.J. Geffon (1964) 10-21330 M
Radiat.Res., 23(3):446-54
X-ray survival studies on the alga Brachiomonas submarina Bohlin

Young, E.G. (1964) 10-21331 M
Canad.J.Bot., 42(11):1471-81
The concentration of nucleid acids in some common marine algae

Craigie, J.S. & J. McLachlan (1964) 10-21332 M
Canad.J.Bot., 42(1):23-35
Excretion of colored untraviolet-absorbing substances by marine algae

Dirksen, E.R. (1964) 10-21333 M
Exp.Cell Res., 36(2):256-70
The isolation and characterization of asters from artificially activated sea urchin eggs

Ishihara, K. (1964) 10-21334 M
Exp.Cell Res., 36(2):354-68
Release of acid polysaccharides following fertilization of sea urchin eggs

A chemical study of changes in the cell surface.

Baxandall, J., P. Perlmann & B.A. Afzelius (1964) 10-21335 M
J.Cell Biol., 23(3):609-29
Immuno-electron microscope analysis of the surface layers of the unfertilised sea urchin egg. 1. Effects of the antisera on the cell ultrastructure

Baxandall, J., P. Perlmann & B.A. Afzelius (1964) 10-21336 M
J.Cell Biol., 23(3):629-51
Immuno-electron microscope analysis of the surface layers of the unfertilised sea urchin egg. 2. Localisation of surface antigens

Co 10-21335.

Daniel, A. & A. Ghosh (1964) 10-21337 M
Curr.Sci., 33(8):249
On some polychaetes from Little Andamans

Newman, G.G. (1966) 10-21338 M
Invest.Rep.Div.Fish.S.Afr., (56):1-9
Movements of the South African abalone Haliotis midae

BA 47(17)80636.

Lallier, R. (1964) 10-21339 M
C.R.Séanc.Soc.Biol., 158(11):2029-49
Effect of thiazolidine-4-carboxylic acid on the egg growth in the sea-urchin Paracentrotus lividus

Puri, H.S. (1963) 10-21340 M
Experientia, 19(7):368-73
Preliminary notes on the Ostracoda of the Gulf of Naples

Fauchald, K. (1963) 10-21341 M
Sarsia, (13):1-32
Nephtyidae (Polychaeta) from Norwegian waters

A revision of the Norwegian nephtyids. The following spp. have been found in Norwegian waters: Nephtys hombergi, N. ciliata, N. longosetosa, N. caeca, N. paradoxa, N. incisa, Aglaophamus malmgreni and A. rubella. Some comments are given on the geographical and bathymetrical distribution of the species.

Kühl, H. (1963) 10-21342 M
Veröff.Inst.Meeresforsch., 8(2):142-50
Über die Verbreitung der Balaniden durch Schiffe
(Spread and distribution of balanids by ships)

Klekowski, R.Z. (1963) 10-21343 M
Polsk.Arch.Hydrobiol., 11(24)(2):241-50
The influence of low salinity and desiccation on the survival, osmoregulation and water balance of Littorina littorea (L.)(Prosobranchia)

Chihara, M. (1963) 10-21344 M
Phycologia, 3(1):19-28
The life history of Prasinocladus ascus as found in Japan, with special reference to the systematic position of the genus

Ludlum, D.B. (1963) 10-21345 M
Biochim.biophys.Acta, 66(3):386-96
Interacting solute flows in permeability studies on the sand dollar egg

Reports results of experiments with Echinarachnius parma.

Stubbings, H.G. (1963) 10-21346 M
Résult.sci.Expéd.océanogr.belge, 3(10):39 p.
Cirripedia of the tropical south Atlantic coast of Africa

A taxonomic catalogue with description of species.

Almaça, C. (1963) 10-21347 M
Bol.Soc.portug.Ciênc.nat., 9:166-9
Sobre o habitat e a abundância de Pirimela denticulata (Montagu, 1808)(Crust.Dec.Brach.)
(On the habitat and the abundance of Pirimela denticulata (Montagu, 1808)(Crust.Dec.Brach.))

Short note with remarks on record on Portuguese coast.

Farmanfarmaian, A. & A.C. Giese (1963) 10-21348 M
Physiol.Zoöl., 36(3):237-43
Thermal tolerance and acclimation in the western purple sea urchin, Strongylocentrotus purpuratus

Tardy, J. (1963)A 10-21349 M
Bull.Inst.océanogr.Monaco, 60(1260):10 p.
Description d'une nouvelle espèce de Tritoniidae: Duvaucelia odhneri, récoltée sur la côte atlantique française
(Description of a new species of Tritoniidae: Duvaucelia odhneri, collected on the French Atlantic coast). En Ru

Amanieu, M. (1963) 10-21350 M
Bull.Inst.océanogr.Monaco, 60(1261):12 p.
Evolution des populations de Paragnathia formica (Hesse) au cours d'un cycle annuel
(Evolution of the populations of Paragnathia formica (Hesse) during an annual cycle)

Reviews present knowledge and outlines the animals' life-cycle data and population dynamics in Arcachon and sea.

Bougis, P. (1963)C 10-21351 M
Villefranche-sur-Mer, Station Zoologique, pag.var.
Cours d'océanographie biologique. Fascicule 1. Hydroméduses. Caractères généraux, classification
(Biological oceanography courses. Fasc. 1. Hydromedusae. General characters and classification)

Illustrated handbook.

Palminha, F., L. Torres & R. Granger (1963) 10-21352 M
Notas Cent.Biol.pisc.,Lisboa, (37):21 p.
Uma alga de provável interesse económico na baía de Benguela (Hypnea benguelensis nov.sp.)
(A seaweed of possible economic value in the Bay of Benguela (Hypnea benguelensis nov.sp.)).
Pr Fr

Record of n.spp; reviews industrial usage as a foodstuff due to their high proteic and ash contents.

FAO:mr

Benito, M.L. (1963) 10-21353 M
Industr.conserv., 29(289):180-1
Estudios realizados en el instituto de investigaciones pesqueras
(Studies carried out in the fisheries research institute)

Results of seasonal variations in the chemical composition of the mussel.

ANON. (1963) 10-21354 M
Propeller, (19):unpag. 3 p.
"Grass" fouling

Article about propeller and ship fouling by seaweeds.

Barnard, J.L. (1963) 10-21355 M
Pacif.Nat., 3(15):439-67
Relationship of benthic Amphipoda to invertebrate communities of inshore sublittoral sands of southern California

Amphipods and their environment are assessed. Several new species are described and several nomenclatural problems are reviewed. The previously undescribed *Nothria-Tellina* community of intermediate depths is assessed as a point of reference for a discussion of the changes in community dominance, of species impoverishment and of declining animal density in sands near the surf zone.
FAO:hr

Trason, W.B. (1963) 10-21356 M
Univ.Calif.Publ.Zool., 65(4):283-325
The life cycle and affinities of the colonial ascidian *Pycnoclavella stanleyi*

Associated with two genera in separate families: with *Clavelina* in Clavelinidae and *Euherdmania* in Polyclinidae. Study of history undertaken to clarify its position. Structure of colony and adult zooid reviewed and detailed description of mature tadpole given. Further lines of investigation suggested to solve problems of taxonomic positions of *Pycnoclavella* and *Euherdmania*.
FAO:sjh

Caraion, F.E. (1963) 10-21357 M
Stud.Cercet.Biol.(anim.), 15(3):319-31
Reprezentanti noi al familiei Cytheridae (Ostracoda-Podocopa) proveniti din apele pontice romînesti
(New representatives of the family Cytheridae (Ostracoda-Podocopa) from Roumanian Black Sea waters). *Ro* Fr Ru

Records and figures three species of which two are new to science.

Hopper, B.E. (1963) 10-21358 M
Canad.J.Zool., 41(5):841-63
Marine nematodes from the coast line of the Gulf of Mexico. 3. Additional species from gulf shores, Alabama

Ten free-living marine nemas, incl. 2 new genera, 7 n.sp. and a new subsp., are recorded from coast of Alabama: *Halalaimus longisetosus* n.sp., *Pareurystomina acuminatum* (de Man), *Ditlevsenella filipjevi* n.sp., *Hypodontolaimus solivagus* n.sp., *MONOPOSTHIOIDES anonopsthia* n.gen., n.sp., *ANOMONEMA haplostoma* n.gen., n.sp., *Axonolaimus paraponticus*, n.sp., *Synodontium sansingi*, n.sp., *Xyala striata* Cobb, and *Rhabditis bengalensis mexicana* n.subsp.

Keys to the genera *Ditlevsenella*, *Axonolaimus*, and *Synodontium* are presented. A new genus, *SYNODONTOIDES*, is established for *A. procerus*, which has characters intermediate between *A.* and *Synodontium*. The nature and distribution of setae and hyperdermal glands are discussed.

Ching, H.L. (1963)A 10-21359 M
Canad.J.Zool., 41(5):881-8
The description and life cycle of *Maritrema laricola* sp.n. (Trematoda: Microphallidae)

Ching, H.L. (1963)A 10-21360 M
Canad.J.Zool., 41(5):889-99
The life cycle and bionomics of *Levinseniella charadriformis* Young, 1949 (Trematoda:Microphallidae)

Provenzano, A.J.,Jr. (1963) 10-21361 M
Bull.Mar.Sci.Gulf Caribb., 13(1):11-22
The glaucothoë stage of *Dardanus venosus* (H. Milne-Edwards) (Decapoda: Anomura)

The post-zoeal stage of the hermit crab *D. venosus* was identified when a planktonic specimen captured in the Florida Straits was held alive in the laboratory for more than a month and moulted to the first crab stage. A description is given of the glaucothoe based primarily on this specimen but supplemented with other material.

Moore, H.B. *et al.* (1963) 10-21362 M
Bull.Mar.Sci.Gulf Caribb., 13(1):23-53
The biology of *Lytechinus variegatus*

This is an abundant urchin along the southeastern coast of the United States.

Manning, R.B. (1963) 10-21363 M
Bull.Mar.Sci.Gulf Caribb., 13(1):54-7
A new species of Lysiosquilla (Crustacea, Stomatopoda) from the northern straits of Florida

L. insolita, n.sp., closely related to L. insignis Kemp from the Indian Ocean, is described and illustrated. The distribution of these two species is similar to that observed in L. microps Manning and its ally, L. crassispinosa Fukuda.

Moore, D.R. (1963) 10-21364 M
Bull.Mar.Sci.Gulf Caribb., 13(1):73-6
Mecoliotia, a gastropod genus new to Florida

The third known specimen of M. tuberculata (Watson) is reported from 55-60 fathoms off Miami. Related species and the systematic position of the genus are reviewed.

Belousov, L.V. (1961) 10-21365 M
Zh.obshch.Biol., 22:281-91
Kletochnoe razmnozhenie i rost morskikh gidroidnykh polipov
(Cell proliferation and growth of marine hydroids). En

Sal'skii, V.A. (1961)C 10-21366 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :37-8
Issledovaniia obrastanii zatonuvshikh sudov pri pomoshchi vodolaznoi tekhniki
(Investigation of the fouling of sunken ships by means of diving techniques)

Kucherova, Z.S. (1961)C 10-21367 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :19-20
Vertikal'noe raspredelenie diatomovykh obrastanii v Sevastopol'skoi bukhte
(Vertical distribution of diatom fouling in the Bay of Sevastopol)

Day, J.H. (1963) 10-21368 M
Bull.Brit.Mus.(nat.Hist.)Zool., 10(7):381-445
The polychaete fauna of South Africa. Part 8. New species and records from grab samples and dredgings

Co 10-21369.

Day, J.H. (1963) 10-21369 M
Ann.J.Afr.Mus., 46(14):353-71
Polychaete fauna of South Africa. 7. Species from depths between 1,000 and 3,000 meters west of Cape Town

Kappanna, A.N. & R.A. Visweswara (1963) 10-21370 M
Indian J.Technol., 1:222-4
Preparation and properties of agar agar from Indian seaweeds

BSEA 9(6)3850.

Umamaheswara, R.M. & T. Sreeramulu (1963) 10-21371 M
Curr.Sci., 32:173-4
Vertical zonation and seasonal variation in the growth of Porphyra on Visakhapatnam coast

BSEA 9(6)3950.

Satyamurti, S.T. (1962) 10-21372 M
J.Bombay nat.Hist.Soc., 59:974
Marine bivalve mollusc Solenomya mediterranea Lamarck from Cochin, South India; a new record

BSEA 9(6)4056.

Brunel, P. (1963) 10-21373 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:91-100
Troisième série d'observations sur la biologie et la biométrie du crabe-araignée Chionoecetes opilio (Fabr.)
(Third series of observations on the biology and biometrics of the spider-crab Chionoecetes opilio (Fabr.))

Vilenkina, M.N. (1965) 10-21374 M
Dokl.Akad.Nauk SSSR, 163(4):1018-20
Zavisimost' obshchego i tkanevogo dykhaniia Nereis diversicolor ot razmerov tela
(General and tissue respiration of Nereis diversicolor (O.F. Müller), as dependent of body dimensions)

Davis, J.D. (1963)C 10-21375 M
Thesis, University of New Hampshire, 153 p.
A study of the Arctic wedge clams, Mesodesma deauratum (Turton) and Mesodesma arctatum (Conrad) of the northwestern Atlantic

DA 25(11):6847.

Cushing, J.E., N.L. Calaprice & G. Trump (1963) 10-21376 M
Biol.Bull.,Woods Hole, 125(1):69-80
Blood group reaction substances in some marine invertebrates

Reports the occurence of blood group reactive substances of: Dedrostomum zostericolum, Urechis caupo, Palinurus interruptus, Octopus bimaculatus from Californian off-shore waters.

Sastry, A.N. (1963) 10-21377 M
Biol.Bull.,Woods Hole, 125(1):146-53
Reproductions of the bay scallop, Aequipecten irradians Lamarck. Influence of temperature on maturation and spawning

The subspecies A.i. irradians and A.i. concentricus from Florida and N. Carolina show differences in temperature requirements for maturation and spawning. The spawning of both subspecies does not overlap.

Bonham, K. (1965) 10-21378 M
Science, 149(3681):300-2
Growth rate of giant clam Tridacna gigas at Bikini Atoll as revealed by radioautography

Eklund, M.W. & F. Poysky (1965) 10-21379 M
Science, 149(3681):306
Clostridium botulinum Type F from marine sediments

Cultures of this type have been demonstrated in two samples of sediments, off California and off Oregon coasts.

Mulicki, Z. (1962) 10-21380 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:59-63
Ekologia wieloszczeta Nephthys ciliata O.F.M. na granicy Bałtyckiego zasięgu
(Ecology of polychaete Nephthys ciliata O.F.M. on the border of the Baltic reach).
Pl En Ru

Environmental requirements of the species are given and its quantitative distribution in the southwest Baltic described.

Ciszewski, P. et al. (1962) 10-21381 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:9-36
Zasoby widlika w zatoce Puckiej oszacowane metodą nurkowania
(Resources of Furcellaria fastigiata in Puck Bay estimated by means of diving method). Pl En Ru

Buckmire, F.L.A. & R.A. MacLeod (1965) 10-21382 M
Canad.J.Microbiol., 11(4):677-91
Nutrition and metabolism of marine bacteria. 14. On the mechanism of lysis of a marine bacterium

The organism used in studies was a Pseudomonas species type IV.

Squires, D.F. (1965) 10-21383 M
Nature, Lond., 207(5000):878-9
A new record for Leptopenus, a rare deep-water coral

Kühlmorgen-Hille, G. (1963) 10-21384 M
Kieler Meeresforsch., 19(1):42-66
Quantitative Untersuchungen der Bodenfauna in der Kieler Bucht und ihre jahreszeitlichen Veränderungen
(Quantitative investigations of the bottom fauna in the Kiel Bay and its seasonal variations). En

Gerlach, S.A. (1963) 10-21385 M
Kieler Meeresforsch., 19(1):67-103
Freilebende Meeresnematoden von den Malediven. 2
(Freeliving marine nematodes from Maledives. 2)

Anastasi, A. & V. Erspamer (1963) 10-21386 M
Arch.Biochem., 101(1/2):56-65
The isolation and amino acid sequence of eledoisin, the active endecapeptide of the posterior salivary glands of Eledone

Rajagopal, A. (1963) 10-21387 M
Proc.Indian Acad.Sci.(B), 57(4):235-8
On a new species of pycnogonid Endeis ghaziei from Ennore

1,200 specimens were found in a log off the coast of Madras at a depth of 20 feet. Gives description and figures.

Malkin, L.I., P.R. Gross & P. Romanoff (1964) 10-21388 M
Developm.Biol., 10(3):378-95
Polyribosomal protein synthesis in fertilized sea urchin eggs: the effect of actinomycin treatment

Hale, L.J. (1964) 10-21389 M
J.Embryol.exp.Morph., 12(3):517-39
Cell movements, cell division and growth in the hydroid Clytia johnstoni

Pilgrim, R.L.C. (1964) 10-21390 M
J.exp.Biol., 41(4):793-805
Stretch receptor organs in Squilla mantis latr. (Crustacea: Stomatopoda)

Brown, H.F. (1964) 10-21391 M
J.exp.Biol., 41(4):689-701
Electrophysiological investigations of the heart of Squilla mantis. 1. The ganglionic nerve trunk

Brown, H.F. (1964) 10-21392 M
J.exp.Biol., 41(4):701-23
Electrophysiological investigations of the heart of Squilla mantis. 2. The heart muscle

Co 10-21391.

Nagabhushanam, R. (1964) 10-21393 M
Curr.Sci., 33(7):215-6
Effect of removal of neuro-secretory cells on spawning in the mussel, Modiolus demissus (Mollusca: Lamellibranchiata)

Rao, B.S. (1964) 10-21394 M
Indian J.Technol., 2(4):142-6
Studies on marine fouling organisms tolerant to low salinity and copper at Bombay Harbour

Schmalz, R.F. (1965) 10-21395 M
Science, 149(3687):993-6
Brucite in carbonate secreted by the red alga Goniolithon sp.

Weber, J.N. & J.W. Kaufman (1965) 10-21396 M
Science, 149(3687):996-7
Brucite in the calcareous alga Goniolithon

McCully, M.E. (1965) 10-21397 M
Canad.J.Bot., 43(8):1001-4
A note on the structure of the cell walls of the brown alga Fucus

Gross, W.J. (1963) 10-21398 M
Comp.Biochem.Physiol., 9(3):181-8
Acclimation to hypersaline water in a crab

Experiments on mud crab Hemigrapsus oregonensis.

Muscatine, L. (1965) 10-21399 M
Comp.Biochem.Physiol., 16(1):77-92
Symbiosis of hydra and algae. 3. Extracellular products of the algae

Avens, A.C. & M.A. Sleigh (1965) 10-21400 M
Comp.Biochem.Physiol., 16(1):121-41
Osmotic balance in gastropod molluscs. 1. Some marine and littoral gastropods

Alimov, A.F. (1965) 10-21401 F
Dokl.Akad.Nauk SSSR, 164(1):195-7
Fil'tratsionnaia sposobnost' molliuskov roda Sphaerium (Scopoli)
(The filtration ability of Mollusca belonging to the Sphaerium genus).

Lerner-Seggev, R. (1965) 10-21402 M
Israel J.Zool., 13(4):145-76
Preliminary notes on the Ostracoda of the Mediterranean coast of Israel

Describes study on 9 species, two of which: Cytherella pori and Bairdia incognita are new to science. Preliminary notes are given on the communities of the different biotopes, from the eulittoral down to the bathyal.

Clausen, C. (1965) 10-21403 M
Sarsia, (20):9-13
Tetranchyroderma tribolosum sp. n., a marine gastrotrich with triancres

Greve, L. (1965) 10-21404 M
Sarsia, (20):15-9
A new epicaridean from western Norway, parasite on Tanaidacea

Greve, L. (1965) 10-21405 M
Sarsia, (20):43-54
The biology of some Tanaidacea from Raunefjorden, western Norway

Smith, R.I. (1964) 10-21406 M
J.Morph., 114(3):437-65
On the early development of Nereis diversicolor in different salinities

Bargmann, W. & B. Behrens (1964) 10-21407 M
Z.Zellforsch., 63:120-33
(About Tiedemann's organ of the starfish (Asterias rubens L)). De

IABS 38(2)4650.

Strieff, W. (1964) 10-21408 M
Bull.Soc.Zool., 89:56-9
Survival of organs of marine molluscs in vitro. Results obtained by use of media A_6, A_7, A_{7c} and A_{8c}

IABS 38(2)4694.

Runnström, J. et al. (1964) 10-21409 M
Rev.suisse Zool., 71:21-54
Analysis of the role of sulfate in the embryonic differentiation of the sea urchin (Paracentrotus lividus)

IABS 37(3)7130.

Ito, K. (1965) 10-21410 M
Bull.Jap.Soc.sci.Fish., 31(4):307-11
Occurrence of D-glyceryltaurine and amino acid pattern in the extractives of a red alga, Gymnogongrus flabelliformis

Description of isolation of D-glyceryltaurine and of amino acid composition of the extracts before and after hydrolysis.

Tufail, M. & S.S. Hashmi (1965) 10-21411 M
Pakist.J.sci.industr.Res., 8(2):60-4
Comparative study of the zoeae of the sand crabs, Philyra corallicola (Alcock), Philyra globosa (Fabricius) and description of first zoea of Leucosia pubescens (Miers) (Decapoda: Crustacea)

Ill. description, measurements, significant structural differences.

Yamamoto, M. (1965) 10-21412 M
Sci.Rep.Tohoku Univ.(4), 31(1):63-6
Some observation of the effects of podophyllin upon the eggs of the bivalve, Caecella chinensis

Examination of the mechanism of unequal cleavage using podophyllin as a mitotic inhibitor.

Yamamoto, M. (1965) 10-21413 M
Sci.Rep.Tohoku Univ.(4), 31(1):55-62
Experimental studies on the cleavage of sea urchin egg by means of the formation of the egg protuberance

Study of the action of the crude methylene blue on the eggs of the sea urchin, Hemicentrotus pulcherrimus.

Yamamoto, M. (1965) 10-21414 M
Sci.Rep.Tohoku Univ.(4), 31(1):45-53
The effects of congo red on the development of sea urchin egg with reference to cell division and gastrulation

Experiments undertaken in an attempt to find a suitable dye for staining the mitotic apparatus of Hemicentrotus pulcherrimus in order to study its function.

Yamada, M. (1964) 10-21415 M
J.Fac.Sci.Hokkaido (6), 15(3):395-7
Rhizogeton ezoense n. sp., a new hydroid from Hokkaido, Japan

Ill. description. Issued also as: Contr. Zool.Inst.Fac.Sci.Hokkaido Univ., (674).

Metz, C.B., H. Schuel & E.R. Bischoff (1964) 10-21416 M
J.exp.Zool., 155(2):261-72
Inhibition of the fertilizing capacity of sea urchin sperm by papain digested, non-agglutinating antibody

Experiments on Arbacia punctulata are described.

Griffin, F.J. (1964) 10-21417 M
Chem.& Ind., 22:916-24
Marine borers

Wada, K. (1964) 10-21418 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1210
(Studies on the mineralization of the calcified tissue in molluscs. 6. The crystal structure of the calcite grown on the inner surface of calcitostracum). Ni En

Co 10-11587.
Abstract only. Issued also as: Contr. nat.Pearl Res.Lab., (109).

Wada, K. (1964) 10-21419 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1078-86
Studies on the mineralization of the calcified tissue in molluscs. 7. Histological and histochemical studies of organic matrices in molluscan shells. Ni

Comparative histological and histochemical observations on 3 groups of Mollusca, Cephalopoda, Gastropoda and Bivalvia, to clarify the mechanism of calcification in the organisms, with special reference to crystal nucleation of the mineral phase.
Co 10-21418.

Wada, K. (1964) 10-21420 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1087-98
Studies on the mineralization of the calcified tissue in molluscs. 8. Behaviour of eosinophil granules and of organic crystals in the process of mineralization of secreted organic matrix in glass coverslip preparations. Ni

Comparative histochemical studies of non-mineralized and mineralizing matrices undertaken to help determine the role of acid mucopolysaccharides in biological mineralization.
Co 10-21419.

Wada, K. (1964)A 10-21421 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1099-103
(Studies on the mineralization of the calcified tissue in molluscs. 9. Comparative histochemical observations of the organic matrices in nacreous, prismatic and periostracal pearls). Ni En

Co 10-21420.

Ai, T. (1965) 10-21422 M
Bull.Jap.Soc.sci.Fish., 31(2):105-12
(Spawning and early development of the topshell, Turbo cornutus Solander. 2. Induction of spawning and larval development). Ni En

Spawning was induced by the stimulation of fluctuating water temperature and development of the larvae is described and illustrated. Embryological comparison is made between T. cornutus and Haliotis spp.
Co 10-11829.

Kawamura, K. (1965) 10-21423 M
Sci.Rep.Hokkaido Fish.Exp.Sta., (3):19-38
(Ecological studies on the sea urchin, Strongylocentrotus intermedius, on the coast of Funadomari in the north region of Rebun Island. 2.). Ni En

Observations on growth, habitat, gonad development.
Co 9-09244.

Oba, T. (1964) 10-21424 M
Bull.Jap.Soc.sci.Fish., 30(10):809-18
(Studies on the propagation of an abalone, Haliotis diversicolor supertexta Lischke. 2. On the development). Ni En

Ill. observations on development over 201 days following fertilization, which was induced by the stimulation caused by water temperature fluctuations.
Co 10-11684.

Largier, J.F. & A. Polson (1964) 10-21425 M
Biochim.biophys.Acta, 79(3):626-8
Estimation of the molecular weight of β -glucuronidase from Patella barbara by gel diffusion filtration

Mangum, C.P. (1964) 10-21426 M
Comp.Biochem.Physiol., 11(3):239-56
Activity patterns in metabolism and ecology of polychaetes

Marine polychaetes of Clymenella spp., Petaloproctus and Branchioasychis spp., collected in off shore waters of North Carolina and Connecticut (USA), were investigated.

Booloótian, R.A. & R. Lasker (1964) 10-21427 M
Comp.Biochem.Physiol., 11(3):273-89
Digestion of brown algae and the distribution of nutrients in the purple sea urchin Strongylocentrotus purpuratus

Brachet, J. *et al*. (1963) 10-21428 M
Biochim.biophys.Acta, 72(4):660-2
Ribonucleic acid metabolism in unfertilized and fertilized sea-urchin eggs

Sguros, P.L. & J. Simms (1963) 10-21429 M
Canad.J.Microbiol., 9(4):585-91
Role of marine fungi in the biochemistry of the oceans. 3. Growth factor requirements of the ascomycete *Halosphaeria mediosetigera*

Requirements of cellulolytic marine ascomycete, in glucose-inorganic salts media, have been determined. Gulf Stream seawater was unable to provide the necessary growth factors.

Crisp, D.J. & P.S. Meadows (1963) 10-21430 M
Proc.roy.Soc.(B), 158(972):364-87
Adsorbed layers: the stimulus to settlement in barnacles

Williams, E.E. (1964) 10-21431 M
J.Anim.Ecol., 33(3):413-32
The growth and distribution of *Littorina littorea* (L.) on a rocky shore in Wales

Williams, E.E. (1964) 10-21432 M
J.Anim.Ecol., 33(3):433-42
The growth and distribution of *Gibbula umbilicalis* (Da Costa) on a rocky shore in Wales

Rausch, R.L. (1964) 10-21433 M
Canad.J.Zool., 42(6):1049-69
Studies on the helminth fauna of Alaska. 41. Observations on cestodes of the genus *Diplogonoporus* Lönnberg, 1892 (Diphyllobothriidae)

These cestodes occur characteristically in marine mammals but occasionally are found in terrestrial hosts.

Lewis, J.B. (1964) 10-21434 M
Canad.J.Zool., 42(4):549-57
Feeding and digestion in the tropical sea urchin *Diadema antillarum* Philippi

Feeds principally upon algae. The species is of importance as an erosive agent on reefs. The histology of the digestive tract is described.

Brinckmann, A. (1964) 10-21435 M
Canad.J.Zool., 42(4):693-705
Observations on the biology and development of *Staurocladia portmanni* sp. n. (Anthomedusae, Eleutheridae)

The medusa and hydroid stages were collected from the sea and cultivated in the laboratory. Location: Gulf of Naples, Italy.

Foxton, P. (1965) 10-21436 M
J.Mar.biol.Ass.U.K., 45(3):679-81
An aid to the detailed examination of salps (Tunicata: Salpidae)

Barnes, H. & M.J.R. Healy (1965) 10-21437 M
J.Mar.biol.Ass.U.K., 45(3):779-89
Biometrical studies on some common cirripedes. 1. *Balanus balanoides*: measurements of the scuta and terga of animals from a wide geographical range

Takano, H. (1964) 10-21438 M
Bull.Tokai Fish.Res.Lab., (39):13-20
Notes on marine littoral diatoms from Japan. 2. Diatoms from Okinawa Island.
Ni

Lists 27 spp. found in bottom sediments and 28 spp. found attached to seaweeds with notes on general distribution. Issued also as: *Contr.Tokai reg.Fish.Res. Lab.*, (210).

Ogino, C. & N. Kato (1964) 10-21439 M
Bull.Jap.Soc.sci.Fish., 30(6):523-6
(Studies on the nutrition of abalone. 2. Protein requirements for growth of abalone, *Haliotis discus*). Ni En

Composition of diets and experimental results, leading to estimation of amount of protein in artificial diet required for normal growth.

Clark, M.E. (1963) 10-21440 M
Proc.int.Congr.Zool., 16(2):42
Biochemistry of the coelomic fluid of the polychaete *Nephtys* and changes during starvation

Pr 62-078me.
Abstract only.

Kawaguti, S. & T. Yamasu (1963) 10-21441 M
Proc.int.Congr.Zool., 16(2):102
Embryonic development and metamorphosis in the bivalved gastropod

Tamanovalva changes a typical gastropod for a bivalved-shell soon after hatching.
Pr 62-078me.
Abstract only.

Mirolli, M. (1963) 10-21442 M
Proc.int.Congr.Zool., 16(2):104
On the physiology of postural behaviour in molluscs

Considers the effects of reserpine on 18 gastropods, 3 amphineuras and 1 bivalve.
Pr 62-078me.
Abstract only.

Loveland, R.E. (1963) 10-21443 M
Proc.int.Congr.Zool., 16(2):106
Some aspects of the cardioregulation system in Mercenaria (Venus) mercenaria

Reports electron microscope studies of heart muscle innervation.
Pr 62-078me.
Abstract only.

Hill, R.B. (1963)A 10-21444 M
Proc.int.Congr.Zool., 16(2):108
Excitation and inhibition of the heart of Aplysia

Pr 62-078me.
Abstract only.

Greenberg, M.J. (1963) 10-21445 M
Proc.int.Congr.Zool., 16(2):109
The effect of changes in rate on the amplitude of beat of bivalve hearts

Experiments on isolated hearts of Spisula and Mercenaria.
Pr 62-078me.
Abstract only.

Nystrom, R.A. (1963) 10-21446 M
Proc.int.Congr.Zool., 16(2):110
Spontaneous activity of Spisula intestine

Pr 62-078me.
Abstract only.

Drach, P. & M. Gabe (1963) 10-21447 M
Proc.int.Congr.Zool., 16(2):120
Glandes endocrines protocéphaliques et cycle d'intermue chez Squilla mantis Latreille (Crustacé Stomatopode)
(Protocephalic glands and inter-moult cycle in Squilla mantis Latreille (Crustacea Stomatopoda))

Pr 62-078me.
Abstract only.

Rulon, O. (1963) 10-21448 M
Proc.int.Congr.Zool., 16(2):257
The extension of fertilizability in sand dollar eggs

Suggests that cobaltous chloride inhibits deterioration of fertilizability by preventing destructive oxidations.
Pr 62-078me.
Abstract only.

Arvy, L., J.M. Bassot & M. Gabe (1963) 10-21449 M
Proc.int.Congr.Zool., 16(2):279
Cristalloides erythrophiles intranucléaires dans l'organe de Van der Hoeven de Nautilus umbilicatus Lam.
(Intranuclear erythrophile cristalloids in the Van der Hoeven organ of Nautilus umbilicatus Lam.)

Cristalloids in the nuclei of the epithelium and conical non-glandular cells seemed unrelated to glandular function.
Pr 62-078me.
Abstract only.

Asahina, E. (1963) 10-21450 M
Proc.int.Congr.Zool., 16(2):287
The mechanism of frost-resistance in egg-cells of the sea urchin

Discusses permeability, extracellular freezing and SH groups in relation to resistance.
Pr 62-078me.
Abstract only.

Provenzano, A.J., Jr. (1963) 10-21451 M
Bull.Mar.Sci.Gulf Caribb., 13(2):242-61
The glaucothoes of Petrochirus diogenes (L.) and two species of Dardanus (Decapoda: Diogenidae). Es

Detailed descriptions of the postzoeal stages of a hermit crab from the Pacific and two forms from the West Indies. It is suggested that the number of telson setae could be used for identification.

Manning, R.B. (1963)A 10-21452 M
Bull.Mar.Sci.Gulf Caribb., 13(2):308-28
Preliminary revision of the genera Pseudosquilla and Lysiosquilla with descriptions of six new genera (Crustacea: Stomatopoda). Es

Moore, D.R. (1963) 10-21453 M
Bull.Mar.Sci.Gulf Caribb., 13(2):329-42
Distribution of the sea grass, Thalassia, in the United States. Es

The distribution is interpreted on the basis of ecologically limiting factors such as temperature, depth, turbidity, salinity and wave action.

Roper, C.F.E. (1963)A 10-21454 M
Bull.Mar.Sci.Gulf Caribb., 13(2):343-53
Observations on bioluminescence in Ommastrephes pteropus (Steenstrup, 1855), with notes on its occurrence in the family Ommastrephidae (Mollusca: Cephalopoda). Es

Hulings, N.C. & D.W. Hemlay (1963) 10-21455 M
Bull.Mar.Sci.Gulf Caribb., 13(2):354-9
An investigation of the feeding habits of two species of sea stars. Es

Deduces feeding habits of sea stars from Florida, Texas and Chesapeake Bay from the evidence of stomach contents.

Lewis, J.B. (1963) 10-21456 M
Bull.Mar.Sci.Gulf Caribb., 13(2):360-3
The food of some deep-water echinoids from Barbados

Records of stomach contents of 9 species dredged from depths of between 50 and 400 meters.

Woodward, F.R. (1963) 10-21457 M
J.Conch., 25(5):180-3
A tentative list of the known specimens of Cypraea (Erosaria) guttata Gmelin

Barnard, K.H. (1963) 10-21458 M
J.Conch., 25(5):198-9
The family position of Afrivoluta pringlei Tomlin

Transfers A. pringlei from the Volutidae to the Marginellidae.

Stratton, L.W. (1963) 10-21459 M
J.Conch., 25(5):206
Marine molluscs of Victoria

Re 8-10237.

Barnard, K.H. (1963)B 10-21460 M
Ann.S.Afr.Mus., 47(1):1-199
Contributions to the knowledge of South African marine Mollusca. Part 3. Gastropoda:Prosobranchiata:Taenioglossa

Co 60-9691.

Lindahl, P.E.B. (1963) 10-21461 M
Physiol.Plant., 16(3):644-60
The effect of sodium dimethyldithiocarbamate and tetramethylthiuram disulphide on photosynthesis and endogenous respiration in Enteromorpha linza (L.)J.Ag.

Found that photosynthesis was inhibited while respiration was unaffected.

Fries, L. (1963) 10-21462 M
Physiol.Plant., 16(3):695-708
On the cultivation of axenic red algae

Presents data on media and lighting arrangements used in isolating and maintaining pure cultures.

Godeaux, J.E.A. (1963) 10-21463 M
Proc.int.Congr.Zool., 16(1):16
Integument of Tunicata

Reports investigations in progress.
Pr 62-078me.
Abstract only.

Sabbadin, A. (1963) 10-21464 M
Proc.int.Congr.Zool., 16(1):17
Genetic control of pigmentation in Botryllus schlosseri

Genetical analysis in progress shows Mendelian heredity of at least two pigments.
Pr 62-078me.
Abstract only.

Levine, E.P. (1963)A 10-21465 M
Proc.int.Congr.Zool., 16(1):18
Endocrine secretions and metals in the generation of new tissue in the genus Eudistoma

Pr 62-078me.
Abstract only.

Freudenthal, H.D. & J.J. Lee (1963) 10-21466 M
Proc.int.Congr.Zool., 16(1):21
Further studies on the cytology and life history of the zooxanthella, Symbiodinium microadriaticum (Freudenthal)

Symbiotes in a Pacific anemone.
Pr 62-078me.
Abstract only.

Lévi, C. (1963) 10-21467 M
Proc.int.Congr.Zool., 16(1):23
Ultrastructure du tissue larvaire des Démosponges
(Ultrastructure of the larval tissue of the demosponges)

Reports electron microscope studies.
Pr 62-078me.
Abstract only.

Uchida, T. (1963) 10-21468 M
Proc.int.Congr.Zool., 16(1):24
Two phylogenic lines in the coelenterates from the viewpoint of their symmetry

Pr 62-078me.
Abstract only.

Leloup, E. (1963) 10-21469 M
Proc.int.Congr.Zool., 16(1):26
Sur la phylogénèse des Siphonophores
(On the phylogeny of the siphonophores)

Considers especially larval development.
Pr 62-078me.
Abstract only.

Hovasse, R. & P. de Puytorac (1963) 10-21470 M
Proc.int.Congr.Zool., 16(1):27
Le colloblaste des Cténophores: ultrastructure, signification
(The ctenophore colloblast: ultrastructure, interpretation)

Electron microscope studies on Pleurobrachia pileus Fleming indicated that the spiral filament is a modified flagellum, the spheroidal body a centrosome.
Pr 62-078me.
Abstract only.

Vivier, E. (1963) 10-21471 M
Proc.int.Congr.Zool., 16(1):31
Données nouvelles sur la reproduction de coccidies extracellulaires parasites d'Annélides Polychètes
(New data on the reproduction of extracellular coccidial parasites of polychaet annelids)

Notes on the development of gamonts and the cytology of divisions of Eucoccidium durchoni in Nereis diversicolor.
Pr 62-078me.
Abstract only.

Nørrevang, A. (1963)A 10-21472 M
Proc.int.Congr.Zool., 16(1):33
The female urogenital organs of Priapulus caudatus Lamarck

Pr 62-078me.
Abstract only.

Woodley, J. (1963) 10-21473 M
Proc.int.Congr.Zool., 16(1):34
Protraction and retraction of ophiuroid tube-feet

Considers function and differentiation apparent from histological studies.
Pr 62-078me.
Abstract only.

Chul, C.K. (1963)A 10-21474 M
Proc.int.Congr.Zool., 16(1):39
Observations on the snails drilling young bivalves of Tapes philippinarum

Pr 62-078me.
Abstract only.

Schlieper, C. (1963) 10-21475 M
Proc.int.Congr.Zool., 16(1):40
The filter feeding mechanism of bivalves, a constantly working engine or a controlled behavioural activity?

Records rapid responses by Mytilus to changes in the external medium.
Pr 62-078me.
Abstract only.

Gonor, J.J. (1963)A 10-21476 M
Proc.int.Congr.Zool., 16(1):43
Structure and function in the digestive gland of a marine snail Aglaja diomedea Bergh (Opisthobranchia-Cephalaspidea)

Pr 62-078me.
Abstract only.

MacClintock, C. (1963) 10-21477 M
Proc.int.Congr.Zool., 16(1):44
Shell structure of fossil and recent patelloid archaeogastropods

Classifies the group on the basis of the form and optical properties of calcite crystals in the shell.
Pr 62-078me.
Abstract only.

de Haro, A. (1963) 10-21478 M
Proc.int.Congr.Zool., 16(1):46
Morphological and phylogenetic considerations on Brachiopoda based on anatomical studies about shell and body-wall formations

Compares structure in brachiopods with that in Chaetognatha.
Pr 62-078me.
Abstract only.

Secretan, S. (1963) 10-21479 M
Proc.int.Congr.Zool., 16(1):47
Les sillons de la carapace des Décapodes Macroures et l'évolution des segments antérieurs
(The grooves in the carapace of macruran decapods and the evolution of the anterior segments)

Pr 62-078me.
Abstract only.

Provenzano, A.J.,Jr. (1963) 10-21480 M
Proc.int.Congr.Zool., 16(1):49
Phyletic relationships within the Paguridae (Crustacea, Anomura) supported by larval studies

Reports that advances in laboratory techniques in rearing may allow a classification on larval characters.
Pr 62-078me.
Abstract only.

Comita, G.W. & J.J. Comita (1963) 10-21481 M
Proc.int.Congr.Zool., 16(1):50
The relation of egg production to food uptake in Tigriopus brevicornis

Cultures fed on a known bulk of Phaeodactylum and kept at a controlled temperature.
Pr 62-078me.
Abstract only.

Crisp, D.J. (1963) 10-21482 M
Proc.int.Congr.Zool., 16(1):58
The chemical basis of substrate selection by certain marine invertebrate larvae

Postulates recognition by barnacle cyprids of a special configuration of arthropodin absorbed at experimental surfaces.
Pr 62-078me.
Abstract only.

Davenport, D. (1963) 10-21483 M
Proc.int.Congr.Zool., 16(1):59
The role of endocrines in animal associations

Discusses examples from the Coelenterata.
Pr 62-078me.
Abstract only.

Robson, E. (1963) 10-21484 M
Proc.int.Congr.Zool., 16(1):61
The swimming behaviour of the sea-anemone Stomphia coccinea

Discusses predator substances activating swimming.
Pr 62-078me.
Abstract only.

Ross, D.M. & L. Sutton (1963) 10-21485 M
Proc.int.Congr.Zool., 16(1):62
A sea anemone, a hermit crab and a shell - an ecological triangle

Discusses the associations between Calliactis and hermit crabs.
Pr 62-078me.
Abstract only.

Scheltema, R.S. (1963) 10-21486 M
Proc.int.Congr.Zool., 16(1):63
Interaction of a gastropod veliger and bottom sediment resulting in metamorphosis

Experiments with Nassarius veligers and variously treated sediment.
Pr 62-078me.
Abstract only.

Bidder, A.M. (1963) 10-21487 M
Proc.int.Congr.Zool., 16(1):71
Cephalopod locomotion

Mentions instances where the funnel is not used in propulsion.
Pr 62-078me.
Abstract only.

Young, R.E. (1963)A 10-21488 M
Proc.int.Congr.Zool., 16(1):75
Comparative internal anatomy of Vampyroteuthis infernalis

Pr 62-078me.
Abstract only.

Pedersen, K.J. (1963)A 10-21489 M
Proc.int.Congr.Zool., 16(1):82
Cytological and cytochemical observations on the mucous gland cells of Convoluta convoluta

Pr 62-078me.
Abstract only.

Fontains, A.R. (1963)A 10-21490 M
Proc.int.Congr.Zool., 16(1):87
A comparative study of the integumentary mucous cells of ophiuroids

Pr 62-078me.
Abstract only.

Zinn, D.J., R.D. Wood & H. Berkson (1963) 10-21491 M
Proc.int.Congr.Zool., 16(1):93
Marine fouling communities of Rhode Island

Evidence from samples on glass test plates in buoyed racks, between 1955 and 1957.
Pr 62-078me.
Abstract only.

Southward, A.J. (1963) 10-21492 M
Proc.int.Congr.Zool., 16(1):96
Biology of some Pogonophora

Reports work in progress.
Pr 62-078me.
Abstract only.

Ivanov, A.V. (1963) 10-21493 M
Proc.int.Congr.Zool., 16(1):97
O vertikal'nom i geograficheskom raspredelenii Pogonophora
(On the vertical and geographic distribution of Pogonophora)

Pr 62-078me.
Abstract only.

Loosanoff, V.L. (1963) 10-21494 M
Proc.int.Congr.Zool., 16(1):98
Propagation of the common starfish, Asterias forbesi, in Long Island Sound during a twenty-five year period

Describes the setting period and factors affecting the duration and intensity of setting.
Pr 62-078me.
Abstract only.

Vovelle, J. (1963) 10-21495 M
Proc.int.Congr.Zool., 16(1):99
Ultrastructure de la sécrétion cémentaire du tube chez Sabellaria alveolata (L.), Annélide Polychète
(Ultrastructure of the cement secretion of the tube of Sabellaria alveolata (L.), annelid polychaete)

Report on light microscope observations confirmed by e.m. studies.
Pr 62-078me.
Abstract only.

Defretin, R. (1963) 10-21496 M
Proc.int.Congr.Zool., 16(1):100
Origine des nouveaux muscles à structure hétéronéréidienne
(The origin of new muscles with a heteronereid structure)

Describes the development in prostomium-ectomised Perinereis.
Pr 62-078me.
Abstract only.

Smith, R.I. (1963) 10-21497 M
Proc.int.Congr.Zool., 16(1):101
Larval development of Nereis diversicolor in relation to regional salinity

Results of studies in west Sweden and south Finland.
Pr 62-078me.
Abstract only.

Patton, W.K. (1963)A 10-21498 M
Proc.int.Congr.Zool., 16(1):104
Studies on the decapod Crustacea commensal with branching corals of Queensland, Australia

Pr 62-078me.
Abstract only.

Hedgpeth, J.W. (1963) 10-21499 M
Proc.int.Congr.Zool., 16(1):107
A comparative study of arctic and antarctic Pycnogonida

Notes a more varied fauna in the Antarctic.
Pr 62-078me.
Abstract only.

Pearse, J.S. (1963)A 10-21500 M
Proc.int.Congr.Zool., 16(1):111
The reproductive cycle of the antarctic asteroid, Odontaster validus Koehler

Pr 62-078me.
Abstract only.

Goodbody, I. (1963) 10-21501 M
Proc.int.Congr.Zool., 16(1):113
Population studies on a tropical ascidian

Summarises studies on Ascidia nigra.
Pr 62-078me.
Abstract only.

Farmanfarmaian, A. (1963) 10-21502 M
Proc.int.Congr.Zool., 16(1):118
Transport of nutrients in echinoderms

Studies using tracers, chromatography and microchemical analyses show transport via the plasma of the perivisceral fluid in Strongylocentrotus, Leptosynapta and Holothuria.
Pr 62-078me.
Abstract only.

Berger, J. (1963)A 10-21503 M
Proc.int.Congr.Zool., 16(1):122
Ciliate protozoa as inquilines of the Echinoidea

Pr 62-078me.
Abstract only.

Petitjean, M. (1963) 10-21504 M
Proc.int.Congr.Zool., 16(1):187
Valeur systématique des caractères minéralogiques de la coquille dans certaines familles de Prosobranches
(Systematic value of mineralogical shell characters in some prosobranch families)

Proposes a reclassification of Eupleura spp. on the basis of the occurrence of calcite and aragonite in the shells.
Pr 62-078me.
Abstract only.

Kohn, A.J. (1963) 10-21505 M
Proc.int.Congr.Zool., 16(1):188
Systematics of gastropod molluscs of the family Conidae

Reports work on a systematic review.
Pr 62-078me.
Abstract only.

Zullo, V.A. (1963)A 10-21506 M
Proc.int.Congr.Zool., 16(1):190
A classification and phylogeny of the Chthamalidae (Cirripedia: Thoracica)

Pr 62-078me.
Abstract only.

Clarke, A.H.,Jr. (1963)A 10-21507 M
Proc.int.Congr.Zool., 16(1):202
On the origin and relationships of the Arctic Ocean abyssal mollusk fauna

Pr 62-078me.
Abstract only.

Wells, G.P. (1963)A 10-21508 M
Proc.int.Congr.Zool., 16(1):203
Temperature and the geographical distribution of lugworms (Arenicolidae, Polychaeta)

Pr 62-078me.
Abstract only.

Vannucci, M. (1963) 10-21509 M
Proc.int.Congr.Zool., 16(1):222
On the ecology of Hydromedusae

A summary of work at 3 stations off the Brazilian coast.
Pr 62-078me.
Abstract only.

Davis, H.C. (1963) 10-21510 M
Proc.int.Congr.Zool., 16(1):226
The effect of salinity on the temperature tolerance of eggs and larvae of some lamellibranch mollusks

Also considers the effects of temperature on digestive ability in Mercenaria and Crassostrea.
Pr 62-078me.
Abstract only.

Hanks, J.E. (1963)A 10-21511 M
Proc.int.Congr.Zool., 16(1):227
Reproduction and larval development of the New England clam drill, *Polinices duplicatus* (Say) (Naticidae: Gastropoda)

Pr 62-078me.
Abstract only.

Kühne, H. (1963) 10-21512 M
Proc.int.Congr.Zool., 16(1):228
Zur Umweltabhängigkeit des Holz-Amphipoden *Chelura terebrans* Philippi (Amphipoda, Cheluridae)
(On the environmental dependence of the timber amphipod *Chelura terebrans* Philippi, Amphipoda, Cheluridae)

Describes dependence on the isopod *Limnoria* and outlines tolerance limits of salinity, temperature, oxygen and pH.
Pr 62-078me.
Abstract only.

Forneris, L. (1963) 10-21513 M
Proc.int.Congr.Zool., 16(1):234
First benthic studies in Flamengo Bay

An outline of work in 1961-2 on the N. coast of S. Paolo state, Brazil.
Pr 62-078me.
Abstract only.

Moment, G.B. (1963) 10-21514 M
Proc.int.Congr.Zool., 16(1):281
Protective variation illustrated in the clam *Donax variabilis* and the brittlestar *Ophiopholis aculeata* (L.)

Pr 62-078me.
Abstract only.

Shor, G.G., Jr. (1964) 10-21515 M
Nature,Lond., 201(4925):1207-8
Thickness of coral at Midway Atoll

Chihara, M. & S. Kamura (1963) 10-21516 M
Phycologia, 3(2):69-74
On the germination of tetraspores of *Gelidiella acerosa*

Culture study supported *Gelidiella* as belonging to the Gelidiales.

Lenhoff, H.M. (1963) 10-21517 M
Proc.int.Congr.Zool., 16(3):71
On the mechanism of the glutathione-receptor of *Hydra littoralis*

Considers quantitative aspects of the reaction on a biochemical basis.
Pr 62-078me.
Abstract only.

Case, J. & G.F. Gwilliam (1963) 10-21518 M
Proc.int.Congr.Zool., 16(3):75
Amino acid retention by marine invertebrates

Records sensitivity in a number of decapods, 2 polychaetes and a Ctenophore.
Pr 62-078me.
Abstract only.

Barber, S.B. & W.F. Hayes (1963) 10-21519 M
Proc.int.Congr.Zool., 16(3):76
Properties of *Limulus* chemoreceptors

Electrophysiological recording from the nerves to chemoreceptors in excised gnathobases.
Pr 62-078me.
Abstract only.

Smith, J.E. (1963)A 10-21520 M
Proc.int.Congr.Zool., 16(3):113
The functions and properties of the echinoderm nervous system

Pr 62-078me.
Abstract only.

Yoshida, M. (1963) 10-21521 M
Proc.int.Congr.Zool., 16(3):114-9
Photosensitivity in echinoids

Discusses chromatophore, spine, pedicellariae, and behavioural responses to light stimuli.
Pr 62-078me.
Abstract only.

Millott, N. (1963)A 10-21522 M
Proc.int.Congr.Zool., 16(3):118-9
Spine movements in response to photic stimuli and their implications in the echinoid diadema

Pr 62-078me.
Abstract only.

Vevers, G. (1963)A 10-21523 M
Proc.int.Congr.Zool., 16(3):120-2
Pigmentation of the echinoderms

Pr 62-078me.
Abstract only.

Farmanfarmaian, A. (1963) 10-21524 M
Proc.int.Congr.Zool., 16(3):123
Respiration in echinoderms

Includes the suggestion that the water vascular system evolved primarily as a respiratory surface.
Pr 62-078me.
Abstract only.

Anderson, J.M. (1963) 10-21525 M
Proc.int.Congr.Zool., 16(3):124-9
Aspects of digestive physiology among echinoderms

Pr 62-078me.
Abstract only.

Boolootian, R.A. (1963) 10-21526 M
Proc.int.Congr.Zool., 16(3):130-4
Reproductive physiology of echinoderms

Briefly reviews cyclical reproduction and the factors affecting it.
Pr 62-078me.
Abstract only.

Nichols, D. (1963) 10-21527 M
Proc.int.Congr.Zool., 16(3):135-8
Comparative histology of the echinoderm water-vascular system

Also discusses function of the system in different classes.
Pr 62-078me.
Abstract only.

Parker, R.H. (1963) 10-21528 M
Proc.int.Congr.Zool., 16(4):309
Deep sea benthic invertebrate communities

Summarises work on four communities in the subtropical Pacific.
Pr 62-078me.
Abstract only.

Sanders, H.L. (1963) 10-21529 M
Proc.int.Congr.Zool., 16(4):311
Some observations on the benthonic fauna of the deep-sea

Comments on investigations along the transect between New England and Bermuda.
Pr 62-078me.
Abstract only.

Grice, G.D. (1963)A 10-21530 M
Proc.int.Congr.Zool., 16(4):312
Remarks on the diversity and distribution of deep living Copepoda

Pr 62-078me.
Abstract only.

Menzies, R.J. (1963) 10-21531 M
Proc.int.Congr.Zool., 16(4):313
Aspects of the food and feeding habits of abyssal benthonts

Pr 62-078me.
Abstract only.

Emery, K.O. (1963)C 10-21532 M
In 10-20083:776-93
Organic transportation of marine sediments

Kelp, driftwood, sea mammals, fishes, birds, invertebrates, comparison with inorganic transporting agents, criteria for recognition of rafting agent.

Cachon, J. & M. Cachon-Enjumet 10-21533 M
(1963)
J.Microsc., 2(1):103-6
Ultrastructure de la membrane nucléaire du foraminifère *Pontomyxa flava* (Topsent)
(Ultrastructure of the nuclear membrane of the foraminifer *Pontomyxa flava* (Topsent))

Jones, M.L. (1963) 10-21534 M
Nat.Hist.,N.Y., 72(5):10-7
Complexities in the substrate. Diversity of marine worms reflects many ways of life

Article on the morphological diversity of polychaetes.

Accorinti, J. (1963) 10-21535 M
Eval.Recurs.nat.Argent., 3(10):219-56
Recursos acuáticos vivos - algas marinas (Living aquatic resources - marine algae)

Sections on systematics and generalities, economic importance and bibliography, chemistry, utilization, uses, exploitation and production of Argentine seaweeds.

ANON. (1963) 10-21536 M
Maritimes, 7(2):10-11,16
Antibiotic properties found in weeds of Sargasso Sea

Research carried out during the trips of research vessel TRIDENT showed that *Sargassum natans* and *S. fluitans* had antibiotic compounds. Pharmaceutical application is possible.

Prakash, A. (1963) 10-21537 M
J.Fish.Res.Bd Can., 20(4):983-96
Source of paralytic shellfish toxin in the Bay of Fundy

Nesis, K.N. (1963)AC 10-21538 M
In 10-20091:82-99
Pacific elements in northwest Atlantic benthos

En 8-06212.

Nesis, K.I. (1963)AC 10-21539 M
In 10-20091:214-20
Soviet investigations of the benthos of the Newfoundland-Labrador fishing area

En 8-06213.

Tonapi, G.T. & L. Mulherkar (1963) 10-21540 F
J.Bombay nat.Hist.Soc., 60:104-20
Freshwater molluscs of Poona

BSEA 9(10)6878.

Harriss, R.C. (1965) 10-21541 M
Ecology, 46(4):539-40
Trace element regulation in the marine alga *Caulerpa racemosa*

Copeland, B.J. (1965) 10-21542 M
Ecology, 46(4):563-4
Evidence for regulation of community metabolism in a marine ecosystem

Observations on turtle grass (*Thalassia testudinum*).

Glynn, P.W. (1965) 10-21543 M
Biol.Bull.,Woods Hole, 129(1):106-27
Active movements and other aspects of the biology of *Astichopus* and *Leptosynapta* (Holothuroidea)

Goodbody, I. (1965) 10-21544 M
Biol.Bull.,Woods Hole, 129(1):128-33
The biology of *Ascidia nigra* (Savigny). 3. The annual pattern of colonization

Co 10-11643.

Kozloff, E.N. (1965) 10-21545 M
Biol.Bull.,Woods Hole, 129(1):151-66
New species of acoel turbellarians from the Pacific coast

Three new spp., *Parotocelis luteola* (Otocelididae), *Raphidophallus actuosus*, and *Diatomovora amoena* (Convolutidae) from the intertidal zone offshore of State Washington are described.

Dawson, C.E. (1964) 10-21546 M
Copeia, (1):229
Records of Cephalochordata from the western Persian Gulf

Stephens, W.M. (1965) 10-21547 M
Pacif.Discov., 18(3):18-21
Pearlfish

Describes the association between pearlfish (Carapidae) and sea cucumber (Holothuria).

Scheltema, R.S. & A.H. Scheltema (1963) 10-21548 M
Hydrobiologia, 22(1/2):85-91
Pelagic larvae of New England intertidal gastropods. 2. *Anachis avara*

The egg case, pelagic larvae, and young juvenile of *Anachis avara* Say, a species of prosobranch gastropod belonging to the family Columbellidae, are described and figured from specimens reared in the laboratory.

Hathaway, R.R. (1965) 10-21549 M
Gen.comp.Endocr., 5:504-8
Conversion of estradiol-17β by sperm preparations of sea urchins and oysters

Arbacia punctulata, *Echinarachnius parma*, and *Crassostrea virginica* were used for experiments.

Evans, S.M. (1965) 10-21550 M
Nature,Lond., 207(5004):1420
Learning in the polychaete *Nereis*

Stubbings, H.G. & D.R. Houghton (1964) 10-21551 M
Int.Rev.Hydrobiol., 49(2):233-79
The ecology of Chichester Harbour, S. England, with special reference to some fouling species

Describes physical factors, topography, hydrographical conditions, studies the seasonal settlement and ecology of hydroids, barnacles and tunicates.

Kikuchi, R. & K. Ueki (1965) 10-21552 M
Naturwissenschaften, 52(15):458-9
Double-discharges recorded from single ommatidia of horseshoe crab, *Tachypleus tridentatus*

Grell, K.G. (1965) 10-21553 M
Naturwissenschaften, 52(15):459-60
Eine neue Familie der Amöben aus dem Lebensraum der Riffkorallen
(A new family of amoebae living on coral reefs)

The name Stereomyxidae is proposed for this family.

Freeman, G. (1964) 10-21554 M
J.exp.Zool., 156(2):157-83
The role of blood cells in the process of asexual reproduction in the tunicate *Perophora viridis*

Harriss, R.C. (1965) 10-21555 M
Bull.Mar.Sci., 15(2):265-73
Trace element distribution in molluscan skeletal material. 1. Magnesium, iron, manganese, and strontium. Es

Little, C. (1965) 10-21556 M
Bull.Mar.Sci., 15(2):338-58
Notes on the anatomy of the queen conch, *Strombus gigas*. Es

D'Asaro, C.N. (1965) 10-21557 M
Bull.Mar.Sci., 15(2):359-416
Organogenesis, development, and metamorphosis in the queen conch, *Strombus gigas*, with notes on breeding habits. Es

Sastry, A.N. (1965) 10-21558 M
Bull.Mar.Sci., 15(2):417-35
The development and external morphology of pelagic larval and post-larval stages of the bay scallop, *Aequipecten irradians concentricus* Say, reared in the laboratory. Es

Graham, A. (1965) 10-21559 M
Bull.Mar.Sci., 15(1):202-10
Observations on the anatomy of some trochacean gastropods. Es

Marcus, E. & E. Marcus (1965) 10-21560 M
Bull.Mar.Sci., 15(1):211-5
On *Haliotinella patinaria* (Gastropoda: Naticidae). Es

McPherson, B.F. (1965) 10-21561 M
Bull.Mar.Sci., 15(1):228-44
Contributions to the biology of the sea urchin *Tripneustes ventricosus*. Es

The growth of *T. ventricosus* was studied using three methods: tagging, penning, and size-frequency analysis.

Moore, H.B. (1965) 10-21562 M
Bull.Mar.Sci., 15(1):245-54
The correlation of symmetry, color and spination in an urchin. Es

Observations on *Lytechinus variegatus* are discussed.

Quinn, B.G. (1965) 10-21563 M
Bull.Mar.Sci., 15(1):259-64
Predation in sea urchins. Es

Braun, R. & W. Job (1965) 10-21564 M
Naturwissenschaften, 52(16):482
Neues zum Lichtsinn augenloser Muscheln
(News on the photopsy of eyeless mussels)

Experiments on *Mytilus edulis*, *Dreissena polymorpha* and *Unio pictorum*.

Ranson, G. (1964) 10-21565 M
Cah.Pacif., (6):51-69
Biologie des coraux. 3. Rapports des coraux avec leur milieu
(Biology of corals. 3. Relations of corals with their environment)

Discusses relations with depth, water temperature, salinity, exposure to air, action of sediments, of water movements, of light, and of currents with respect to larval dispersion.

Tokioka, T. (1964) 10-21566 M
Publ.Seto Mar.biol.Lab., 12(4):281-3
Contributions to Japanese ascidian fauna. 21. *Botrylloides viride* n. sp., a new greenfish compound ascidian from the vicinity of Seto

Diagnosis and ill. morphological description.
CR 9-09200.

Wada, K. (1964)A 10-21567 M
Bull.Jap.Soc.sci.Fish., 30(12):993-8
Studies on the mineralization of the calcified tissue in molluscs. 10. Histochemical determination of the nature of acid mucopolysaccharide in organic crystals

Co 10-21421.

Kubo, I. (1963) 10-21568 M
J.Tokyo Univ.Fish., 49(1):63-71
Systematic studies on the Japanese macrurous decapod Crustacea. 6. A new and an imperfectly known species of palinurid lobster

Ill. morphological description of *Panulirus homarus* and *Palinustus waguensis* sp. nov. and comparison of the latter with *P. truncatus*, *P. mossambicus*.

Utinomi, H. (1964) 10-21569 M
Publ.Seto Mar.biol.Lab., 12(2):117-31
Studies on the Cirripedia Acrothoracica. 5. Morphology of *Trypetesa habei* Utinomi

Ill. morphological description of *T. habei*; observations on cirral activity.

Powell, A.W.B. (1964) 10-21570 M
Rec.Auckland(N.Z.) Mus., 6(1):11-20
New Zealand molluscan systematics with description of new species. Part 4

Description of *Maurea turnerarum* n. sp. and *Exomilopsis hipkinsi* n. sp.; other records of exotic spp. are discussed with regard to inclusion in the New Zealand fauna.

Hayashi, K. (1963)A 10-21571 M
Rep.Fac.Fish.Univ.Mie, 4(3):429-35
Studies on vitamin B_6 in marine products. 4. The distribution of vitamin B_6 in seaweeds

van Urk, R.M. (1964) 10-21572 M
J.Conch., 25(7):268-74
The British species of *Spisula*

Common bivalves off British coasts are described.

Chatfield, J.E. (1964) 10-21573 M
J.Conch., 25(7):279-87
Marine Mollusca at Split, Yugoslavia

Brumbaugh, J.H. (1965)C 10-21574 M
Thesis, Stanford University, 127 p.
The anatomy, diet, and tentacular feeding mechanism of the dendrochirote holothurian *Cucumaria curata* Cowles 1907

DA 26(1):552.

Chapple II, W.D. (1965)C 10-21575 M
Thesis, Stanford University, 92 p.
The abdominal nervous system of the hermit crab *Pagurus granosimanus*

DA 26(1):553.

Holland, N.D. (1965)C 10-21576 M
Thesis, Stanford University, 235 p.
Cell proliferation in post-embryonic specimens of the purple sea urchin (Strongylocentrotus purpuratus): an autoradiographic study employing tritiated thymidine

DA 26(1):556.

Lützen, J. (1965) 10-21577 M
Ark.Zool., 17(5):415-20
On a small collection of ascidians from the Swedish Skagerrak coast

Strömberg, J.-O. (1965) 10-21578 M
Ark.Zool., 17(5):421-73
On the embryology of the isopod Idotea

Bourne, N. (1965) 10-21579 M
J.Fish.Res.Bd Can., 22(5):1137-49
Paralytic shellfish poison in sea scallops (Placopecten magellanicus, Gmelin)

Varma, R.P. & K.K. Rao (1964) 10-21580 M
Indian J.Fish., 9(1):205-11
Algal resources of Pamban area

Sutô, S. (1965) 10-21581 M
Fishery Propag.Ser.,Tokyo, (9):36 p.
(Methods for increasing production of edible seaweeds). Ni

Powell, A.W.B. (1964) 10-21582 M
Indo-Pacif.Mollusca, 1(5):227-346
The family Turridae in the Indo-Pacific. 1. The subfamily Turrinae

Lists recognized generic and subgeneric taxa of the molluscs Turrinae. Description, distribution, synonymy of species.

Zinn, D.J. (1965) 10-21583 M
Maritimes, 9(3):15-7
Star of the sea

Contains biological data on Asterias forbesi and A. vulgaris from northwestern Atlantic coast (Rhode Isl.).

Kerkut, G.A. & M.A. Price (1964) 10-21584 M
Comp.Biochem.Physiol., 11(1):45-52
Chromatographic separation of cardiaccelerators (6HT and a mucopeptide) from Carcinus heart

Describes the results of purification of cardiaccelerators present in extracts from the heart of Carcinus maenas and discusses the results obtained in relation to previous work on the pericardial glands.

Rodegker, W. & J.C. Nevenzel (1964) 10-21585 M
Comp.Biochem.Physiol., 11(1):53-60
The fatty acid composition of three marine invertebrates

Comprehensive analyses of the fatty acids of lipid fractions from Pisaster ochraceus, Mitella polymerus and Mytilus californianus were made by gas-liquid chromatography.

Korotkevich, V.S. (1961) 10-21586 M
Zool.Zh., 40:1416-20
Novyi vid nemertin i ego polozhenie v sistematike
(A new nemertean species and its systematic position). En

Mileikovskii, S.A. (1961) 10-21587 M
Zool.Zh., 40:1099-102
Polikhety Sphaerosyllis erinaceus Claparede i Phalacrophorus pictus Greeff v planktone Barentseva moria
(The polychaete Sphaerosyllis erinaceus Claparede and Phalacrophorus pictus Greeff in the Barents Sea plankton). En

Mileikovskii, S.A. (1961) 10-21588 M
Zool.Zh., 40:1421-3
Polikheta Nereis virens Sars v Kol'skom zalive
(Nereis virens Sars in the Kola Gulf). En

Morozova-Vodianitskaia, N.V. (1961) 10-21589 M
Trudy novoross.biol.Stants., 1961:11-39
Rastitel'nye obrastaniia v Tuapsinskom portu
(Plant fouling at the port of Tuapse)

Petrov, K.M. (1961) 10-21590 M
Trudy novoross.biol.Stants., 1961:41-67
Makrofity Chernomorskogo pribrezh'ia Tamanskogo poluostrova i Severnogo Kavkaza
(Macrophyta of the Black Sea coast of the Taman Peninsula and the north Caucasus)

Zenkevich, L.A. (1961) 10-21591 M
Priroda, Moskva, (6):48-9
Krupnoe sobytie v zoologii. Vazhnye issledovaniia novoi gruppy morskikh zhivotnykh (pogonofor)
(A great event in zoology. Important research on a new group of marine animals, the Pogonophora)

Korotkova, G.P. (1961) 10-21592 M
Vestn.leningr.Univ.(Biol.), (4):39-50
Regeneratsiia i kletochnoe razmnozhenie u izvestkovoi gubki *Leucosolenia complicata* Mont.
(Regeneration and cellular reproduction in the calcisponge *Leucosolenia complicata* Mont.). En

Neiman, A.A. (1961) 10-21593 M
Okeanologiia, 1:1073-8
Vertikal'noe raspredelenie zoogeograficheskikh kompleksov donnoi fauny shel'fa i verknikh gorizontov sklona v vostochnoi chasti Beringova moria
(Vertical distribution of zoogeographical complexes of benthic fauna on the shelf and top horizons of the slope in the eastern part of the Bering Sea)

Nesis, K.N. (1961) 10-21594 M
Okeanologiia, 1:893-903
Puti i vremia formirovaniia razorvannogo areala u amfiboreal'nykh vidov morskikh donnykh zhivotnykh
(How and when the broken area of distribution of amphiboreal species of bottom-dwelling marine animals formed)

Nesis, K.N. (1961) 10-21595 M
Okeanologiia, 1: 498-503
Sushchestvuiut li v Belom more tikhookeanskie littorinovye relikty?
(Are there any Pacific *Littorina* relicts in the White Sea?)

Litvinenko, L.G. (1960) 10-21596 M
Nauch.Ezhegod.odess.Gosuniv., (2):41-2
Vliianie organicheskikh veshchestv na soderzhanie pigmentov, fotosintez i dykhanie chernomorskikh vodoroslei *Enteromorpha* i *Phyllophora*
(Effect of organic matter on the pigment content, photosynthesis and respiration of the Black Sea algae *Enteromorpha* and *Phyllophora*)

Krasil'nikova, E.N. (1961) 10-21597 M
Mikrobiologiia, 30:651-7
Ob antibioticheskikh svoistvakh mikroorganizmov, vydelennykh iz razlichnykh glubin Mirovogo okeana
(Antibiotic properties of microorganisms extracted from various depths in the world's seas and oceans). En

Kriss, A.E. (1961) 10-21598 M
Mikrobiologiia, 30:791-8
O taksonomii mikroorganizmov, vydelennykh iz moria
(Taxonomy of microorganisms extracted from the sea). En

Dregol'skaia, I.N. (1961) 10-21599 M
Tsitologiia, 3:471-3
Vliianie solenosti morskoi vody na teploustoichivost' mertsatel'nogo epiteliia aktinii
(Influence of seawater salinity on the heat resistance of the ciliated epithelium in sea anemones)

Dragoli, A.L. (1960) 10-21600 M
Uch.Zap.odess.biol.Stants., :43-8
K biologii chernomorskoi polikhety *Melinna palmata* (Grube)
(Biology of the Black Sea polychaete *Melinna palmata* (Grube))

Auclair, W. (1965) 10-21601 M
Biol.Bull.,Woods Hole, 128(2):169-76
The chromosomes of sea urchins, especially Arbacia punctulata; a method for studying unsectioned eggs at first cleavage

Holland, N.D. & A.C. Giese (1965) 10-21602 M
Biol.Bull.,Woods Hole, 128(2):241-58
An autoradiographic investigation of the gonads of the purple sea urchin (Strongylocentrotus purpuratus)

Kuenzler, E.J. & J.P. Perras (1965) 10-21603 M
Biol.Bull.,Woods Hole, 128(2):271-84
Phosphatases of marine algae

Investigations on axenic cultures of Chrysophyceae, Bacillariophyceae, Cryptophyceae, Cyanophyceae, Dinophyceae, and Chlorophyceae.

Tsuda, M. & N. Tamai (1963) 10-21604 MF
Rep.Noto mar.Lab.Kanazawa Univ., 3:36-41
(Ecological studies on the Phragmites communities in the vicinity of the Noto Marine Laboratory). Ni En

Uchida, T. (1963) 10-21605 MF
Jap.J.Zool., 13(1):14 p.
The systematic position of the Hydrozoa

Toschi, G. & Giacobini (1965) 10-21606 MF
Life Sci., 4(19):1831-4
Puromycin and the impulse activity of crayfish stretch-receptor neuron

Vatova, A. (1963) 10-21607 MF
Boll.Pesca Piscic.Idrobiol., 18(1):5-14
Ricerche quantitative sulla fauna bentonica delle lagune di Marano e Grado (Quantitative researches on the benthic fauna of the lagoons of Marano and Grado). It En Fr De

The lagoon fauna is lacking in species, but rich in individuals, especially with regard to pelecypods, gastropods, polychaetous Annelida and decapod Crustacea.

McKenzie, K.G. (1964) 10-21608 MF
Annu.Ist.Zool.Univ.Napoli, 23 p.
An ostracode fauna from Lago di Fusaro near Naples

Thirty four species, nine represented only by juvenile molt stages, were identified, of which 11, the cyprids, usually associated with oligahaline environments, and three others with polyhaline conditions.

Madanmohanrao, G. & K. Pampapathi (1962) 10-21609 MF
Crustaceana, 4(1):75-81
Oxygen consumption in a brackish water crustacean, Sesarma plicatum (Latreille) and a marine crustacean, Lepas anserifera L.

Dominiak, B. (1965) 10-21610 MF
Fragm.faun.Inst.zool.polsk.Akad.Nauk, 12(4):43-55
Materialy do fauny równonogów Polski (Data on the isopod fauna of Poland). Pl

Pochon-Masson, J. (1965) 10-21611 MF
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(13): 3762-4
L'ultrastructure des épines du spermatozoïde chez les Décapodes (Macroures, Anomoures, Brachyoures)
(Micro-structure of spines of spermatozoids in Decapoda (Macrura, Anomura, Brachyura))

Munda, I. (1963)A 10-21612 MF
Bot.mar., 5(2/3):84-95
Kulturversuche mit Ascophyllum nodosum (L.) Le Jol. und Fucus vesiculosus L. in Medien von verschiedenem Salzgehalt
(Culture experiments with Ascophyllum nodosum (L.) Le Jol. and Fucus vesiculosus L. in media of varied salinity). En

Van Bruggen, E.F. et al.(1963)B 10-21613 MF
J.molec.Biol., 7:249-53
Structure and properties of hemocyanins. 3. Electron micrographs of hemocyanins from different Gastropoda and Crustacea

Kendall, S.B. (1964)C 10-21614 MF
In 10-22746:51-73
Some factors influencing the development and behaviour of trematodes in their molluscan hosts

HA 33(4)2638.

Pujals, C. (1963) 10-21615 MF
Revta Mus.argent.Cienc.nat.Bernardino Rivadavia cienc.bot., 3(1):139 p.
Catálogo de Rhodophyta citadas para la Argentina
(Catalog of Rhodophyta of Argentina)

BAgr. 29(2)10730.

Prescott, G.W. (1964)C 10-21616 MF
In 10-21031:1-30
Contributions of current research to algal systematics

BAgr. 29(3)19654.

Evens, F. (1964)C 10-21617 MF
In 10-21031:426-34
The future of phycology

BAgr. 29(3)19638.

Nakazima, M. (1965)A 10-21618 MF
Bull.Jap.Soc.sci.Fish., 31(3):198-203
Studies on the source of shellfish poison in Lake Hamana. 1. Relation of the abundance of a species of Dinoflagellata, Prorocentrum sp. to shellfish toxicity

Baranova, I.N. (1961)C 10-21619 MF
In 10-20767
Nekotorye dannye o skorosti vosstanovleniia zhestkoi rastitel'nosti v usloviiakh il'menei-rybkhozov del'ty Volgi
(Some data on the rate of restoration of coarse vegetation in the fisheries lakes of the Volga delta)

Baguet, F. (1965) 10-21620 MF
Arch.int.Physiol.Biochim., 73(2):389-91
Consommation d'oxygène et contraction phasique chez un muscle de lamellibranche
(Oxygen consumption and periodic contraction in a lamellibranch muscle)

Oglesby, L.C. (1965) 10-21621 MF
Comp.Biochem.Physiol., 14(4):621-41
Steady-state parameters of water and chloride regulation in estuarine nereid polychaetes

Kasinathan, S. (1964) 10-21622 MF
Curr.Sci., 33(8):248-9
Fat and sex in bivalve molluscs

Nadakal, A.M. (1963) 10-21623 MF
J.sci.industr.Res., 22(4):167-73
Distributional, biochemical and other aspects of pigmentation in helminths

A brief survey from the literature on platyhelminths, nematodes and Acanthocephala.

Elofsson, R. (1963)C 10-21624 MF
Sarsia, (12):68 p.
The nauplius eye and frontal organs in Decapoda (Crustacea)

A detailed investigation. Representatives from all groups of the Decapoda are included. Some of the more important results are abstracted.

Monniot, Cl. & F. Monniot (1963) 10-21625 MF
Sarsia, (13):51-7
Présence à Bergen et Roscoff de Pyuridae psammicoles du genre Heterostigma
(The occurrence at Bergen and Roscoff of psammic ascidians of the genus Heterostigma). En

By the discovery of two psammic ascidians of the genus Heterostigma from Roscoff (France) and Bergen (Norway) it is concluded that this genus is an inhabitant in clean gravel on the west European coasts. This study deals with morphology of the branchial sac.

Fischer-Piette, E. (1963) 10-21626 MF
Ann.Inst.océanogr.,Paris, 40(3):166-311
La distribution des principaux organismes intercotidaux nord-ibériques en 1954-1955
(The distribution of the main intertidal northern Iberian organisms in 1954-1955)

Based on observations and material collected along the coast of northern Spain and Portugal. Descriptive chapters on algae, lichens, sponges, Anthozoa, Echinodermata, Annelida, Polychaeta, Crustacea, Mollusca, Tunicata.

Rao, V.S. (1963) 10-21627 MF
J.sci.industr.Res., 22(6):264
Aquatic angiosperms

Re 9-05167.

Symoens, J.-J. (1963) 10-21628 MF
Bull.Soc.r.Bot.Belg., 95:153-91
Un siècle de recherches belges sur la floristique et l'écologie des algues (A century of Belgian research on algal flora and ecology)

Historical synopsis with bibliography of work on Belgian, Indonesian and African floras.

Seerwani, A.B. (1963) 10-21629 MF
Curr.Sci., 32:182
Occurrence of Enteromorpha at Khargone (M.P.)

BSEA 9(6)3948.

Dales, R.P. (1963)C 10-21630 MF
London, Hutchinson, 200 p.
Annelids

Specialized account of annelid biology - polychaetes, oligochaetes (earthworms), and leeches - with emphasis on physiology and functional morphology.

Frankenberg, D. & W.D. Burbanck (1963) 10-21631 MF
Biol.Bull.,Woods Hole, 125(1):81-95
A comparison of the physiology and ecology of the estuarine isopod Cyathura polita in Massachusetts and Georgia

The physiological similarity of two populations of this sp., indicates that distinct physiological races have not developed within the species.
Ci 9-05149.

Hubschman, J.H. (1963) 10-21632 MF
Biol.Bull.,Woods Hole, 125(1):96-113
Development and function of neurosecretory sites in the eyestalks of larval Palaemonetes (Decapoda: Natantia)

Endocrinological studies on Palaemonetes vulgaris from eastern U.S.

van Baalen, C. (1965) 10-21633 MF
Nature, Lond., 206(4980):193-5
Aldolase in blue-green algae

Experiments made mostly on Anacystis nidulans supporting the thesis that aldolase is present in blue-green algae and in sufficient amount to allow its participation in photosynthesis and in glycolytic pathway of carbohydrate metabolism.

E

Willard, J.M., M. Schulman & M. Gibbs (1965) 10-21634 MF
Nature, Lond., 206(4980):195
Aldolase in Anacystis nidulans and Rhodopseudomonas spheroides

Schütz, L. (1963) 10-21635 MF
Kieler Meeresforsch., 19(1):104-15
Die Fauna der Fahrrinne des NO-Kanals (The fauna of the waterway of the North Sea-Baltic channel)

Valentine, D.H. (1965) 10-21636 MF
Nature, Lond., 206(4985):670-2
Experimental taxonomy of flowering plants

Review of articles presented at the Symposium held at the British Linnean Society, March 1965.

Meyers, S.P. & J.J. Kohlmeyer (1966) 10-21637 MF
Canad.J.Bot., 43(8):915-21
VARICOSPORINA ramulosa gen. nov. sp. nov., an aquatic hyphomycete from marine areas

Isolation of the fungus on plant material from estuarine localities in North Carolina and Florida shows the wide range of occurence of this organism in the sea.

Avens, A.C. (1965) 10-21638 MF
Comp.Biochem.Physiol., 16(1):143-53
Osmotic balance in gastropod molluscs. 2. The brackish water gastropod, Hydrobia ulvae Pennant

Co 10-21400.

Wajdi, N. (1964) 10-21639 MF
J.Helminth, 38:391-2
The predation of Schistosoma mansoni by the oligochaete annelid Chaetogaster

Hashimoto, H. (1965) 10-21640 MF
Zool.Mag.,Tokyo, 74(3):82-7
(The spawning of the terrestrial grapsid crab, Sesarma haematocheir (De Haan)).
Ni En

Discussion of possibility of this spp. spawning in either marine or freshwater.

Hagerman, L. (1965) 10-21641 MF
Ophelia, 2(1):49-69
The ostracods of the Øresund, with special reference to the bottom-living species

57 species are now known from the Øresund, 28 of which are recorded as new for the area.

Fenchel, T. (1965) 10-21642 MF
Ophelia, 2(1):71-174
Ciliates from Scandinavian molluscs

Describes the ciliate fauna living on the ciliated epithelia of aquatic invertebrates, especially bivalves, from a systematical and an ecological point of view. In 64 Scandinavian invertebrate species, of which 57 were lamellibranchs, 47 morphologically distinct ciliate species were found of which 14 are new to science. The majority of these ciliates belong to the order Thigmotrichida, the remainder being representatives of the families Urceolariidae, Licnophoridae and Euplotidae.

Thorson, G. (1965) 10-21643 MF
Ophelia, 2(1):175-210
A neotenous dwarf-form of Capulus ungaricus (L.) (Gastropoda, Prosobranchia) commensalistic on Turritella communis Risso

Describes the life history of the typical and the dwarf-form of Capulus ungaricus.

Treharne, R.W., T.E. Brown & L.P. Vernon (1963) 10-21644 MF
Biochim.biophys.Acta, 75(3):324-32
Separation of two light-induced electron-spin-resonance signals in several algal species

Describes two methods of algal cell pretreatment, heating and sonic oscillation, which effectively eliminate one signal while enhancing other. Chlorella pyrenoidosa, Scenedesmus obliquus, Plectonema boryanum, Chlamydomonas reinhardi, Anacystis nidulans, and Ochromonas danica.

Stewart, W.D.P. (1964) 10-21645 MF
J.exp.Bot., 15(43):138-45
The effect of available nitrate and ammonium-nitrogen on the growth of two nitrogen-fixing blue-green algae

Brinkhurst, R.O. (1963) 10-21646 MF
Sci.Publ.Freshwat.biol.Ass.Brit.Emp., (22):52 p.
A guide for the identification of British aquatic Oligochaeta

Higaki, M. (1964) 10-21647 MF
Zool.Mag., Tokyo, 73(5):141-6
(Rodlet granules of Euplotes. 2. Formation of rodlet granules in a conjugating pair). Ni En

Examination of the process of rodlet granule formation.

Gross, J. (1963) 10-21648 MF
Proc.int.Congr.Zool., 16(2):38
Cation regulation in immersed aquatic and terrestrial crabs

Pr 62-078me.
Abstract only.

Stephens, G.C. (1963) 10-21649 MF
Proc.int.Congr.Zool., 16(2):41
The influence of salinity on the uptake of glycine by euryhaline annelids

Studies on Nereis limnicola, N. succinea.
Pr 62-078me.
Abstract only.

Yonge, C.M. (1963) 10-21650 MF
Proc.int.Congr.Zool., 16(2):101
Bilateral asymmetry in the bivalvia

Pr 62-078me.
Abstract only.

Dahl, E. (1963) 10-21651 MF
Proc.int.Congr.Zool., 16(2):105
Cellular localization of monoamines in mollusc nervous systems

Fluorescence localisation of adrenaline, noradrenaline, dopamine, and 5-hydroxytryptamine in molluscs including Anodonta and Buccinum.
Pr 62-078me.
Abstract only.

Wilczynski, J.Z. (1963) 10-21652 MF
Proc.int.Congr.Zool., 2(16):273
Polymorphic spermatozoa in general and these of *Crepidula fornicata* in particular

The author considers the polymorphism he finds in many gastropods.
Pr 62-078me.
Abstract only.

Rodriguez, G. (1963) 10-21653 MF
Bull.Mar.Sci.Gulf Caribb., 13(2):197-218
The intertidal estuarine communities of Lake Maracaibo, Venezuela. Es

An account of the fauna and flora of the mouth of Lake Maracaibo with reference to salinity ranges and ecological zonation. Species collected are listed at the end of the paper.

Jones, R.F., H.L. Speer & W. Kury (1963) 10-21654 MF
Physiol.Plant., 16(3):636-43
Studies on the growth of the red alga *Porphyridium cruentum*

Reports growth of the unicellular terrestrial and marine alga in media of various salinities.

Runham, N.W. (1963) 10-21655 MF
Proc.int.Congr.Zool., 16(1):42
The replacement of the molluscan radula

Studies cytology of radula gland of a variety of aquatic and terrestrial Mollusca.
Pr 62-078me.
Abstract only.

Llewellyn, J. (1963)A 10-21656 MF
Proc.int.Congr.Zool., 16(1):133
A review of the attachment mechanisms of monogenean parasites

Pr 62-078me.
Abstract only.

Harding, J.P. (1963) 10-21657 MF
Proc.int.Congr.Zool., 16(1):147
The evolutionary history of a copepod now parasitic in a mollusc

Reports an ergasilid from pericardium of the brackish water Nigerian mussel *Congeria*.
Pr 62-078me.
Abstract only.

Renaud-Debyser, J. & B. Salvat (1963) 10-21658 MF
Proc.int.Congr.Zool., 16(1):224
Ecologie des sédiments meubles intertidaux, peuplements en microfaune et macrofaune
(Ecology of mobile intertidal sediments, populations of microfauna and macrofauna)

Reports quantitative and qualitative sampling of standard volumes of sediment at several points in the Atlantic and Channel coast of France.
Pr 62-078me.
Abstract only.

Petrusewicz, K. (1963)A 10-21659 MF
Proc.int.Congr.Zool., 16(1):233
The dependence of productivity on the size of medium in selfranging, confined populations of *Paramecium*, *Tribolium* and *Mus*

Pr 62-078me.
Abstract only.

Sweeney, B.M. (1963) 10-21660 MF
Annu.Rev.Pl.Physiol., 14:411-40
Biological clocks in plants

Ettl, H. (1965) 10-21661 MF
Phycologia, 5(1):61-70
Über systematische Probleme in der Gattung *Chlamydomonas*
(The systematic problems of the genus *Chlamydomonas*). En

Gimingham, C.H. (1965) 10-21662 MF
New Phytol., 64(2):350-1
Coastal vegetation

Re 10-20133.

Dean, J.M. & F.J. Vernberg (1965) 10-21663 MF
Biol.Bull.,Woods Hole, 129(1):87-94
Effects of temperature acclimation on some aspects of carbohydrate metabolism in decapod Crustacea

Various spp. of crabs belonging to genera *Uca*, *Callinectes*, *Cancer*, *Libinia*, *Panopeus*, *Hemigrapsus*, *Orconectes*, were investigated.

Edwards, J.S. (1963) 10-21664 MF
Viewpoints Biol., 2:85-114
Arthropods as predators

Deals with the ecology of predation, behaviour and predation, distribution of predators among Arthropoda, i.e. Crustacea, Myriapoda and Arachnida.

Phelps, D.K. (1964)C 10-21665 MF
Thesis, University of Rhode Island, 159 p.
Functional relationships of benthos in
a coastal lagoon

Dominant forms were an isopod, *Leptochelia dubia*, and a pelecypod, *Gemma gemma*.
DA 26(1):413.

Meade, T.G. (1965)C 10-21666 MF
Thesis, Oregon State University, 41 p.
Description and life history of *Cardicola alseae* sp. n. (Trematoda: Sanguinicolidae)

DA 26(1):558.

Letnikova, T.V. (1961)C 10-21667 MF
In 10-20151
Nekotorye dannye po biologii artemii v
Sivashe
(Some data on the biology of *Artemia* in
the Sivash)

Alekseev, N.K. (1961)C 10-21668 MF
In 10-20151
Sostoianie bentosa vyrastnykh
osetrovykh prudov na Rogozhkinskom
rybovodnom zavode v 1960 g.
(The state of the benthos in sturgeon
nursery ponds at the Rogozhkino fish
plant in 1960)

Zehnder, A. (1964) 10-21669 MF
Schweiz.Z.Hydrol., 26(1):147-64
3.Symposium über Fragen der Cyanophyten-systematik in Kastanienbaum, 1963
(3rd. Symposium on the problems of the
systematics of Cyanophyecae, Kastanienbaum,
1963)

Proceedings, contributions, bibliography.

Maslov, V.P. (1961) 10-21670 MF
Izv.Akad.Nauk SSSR (geol.), (12):81-6
Vodorosli i karbonatoosazhdenie
(Algae and carbonate sedimentation)

Makhlin, E.E. (1961) 10-21671 MF
Izv.Akad.Nauk SSSR (geol.), (12):81-6
Vodorosli i karbonatoosazhdenie
(Algae and carbonate sedimentation)

Zerov, K.K. (1961) 10-21672 MF
Trud.Inst.Gidrobiol.Akad.Nauk ukr.SSR,
(36):37-49
Vodnaia rastitel'nost' Kiliiskoi del'ty
Dunaia
(Aquatic vegetation of the Kilija delta
of the Danube). En

Zerov, K.K. (1961) 10-21673 MF
Trud.Inst.Gidrobiol.Akad.Nauk ukr.SSR,
(36):210-21
Rastitel'nost' pridunaiskikh limanov
(Vegetation of the Danube lagoons).
En

Pinevich, V.V., N.N. Verzilin 10-21674 MF
& V.E. Vasil'eva (1961)
Nauch.Dokl.vyssh.Shk.(biol.), (3):151-4
Deistvie gibberellinivoi kisloty na
protokokkovye vodorosli
(Action of gibberellinic acid on
protococcal algae)

Rao, K.P. (1965) 10-21675 MF
Nature,Lond., 208(5008):404-5
Record of the bivalve gastropod
Berthelinia limax (Kawaguti and Baba 1959)
from the Indian Ocean

Evitt, W.R. (1963) 10-21676 MF
Amer.J.Sci., 261(9):890-3
Occurrence of freshwater alga *Pediastrum*
in Cretaceous marine sediments

Fossils of alga that today lives exclusively in freshwater, occur in marine sediments in Pakistan and California. Therefore, fossil *Pediastrum* does not (as has been assumed) establish freshwater origin of its enclosing sediments.

Waters, T.F. (1964) 10-21677 F
Trans.Amer.Fish.Soc., 93(3):311-5
Recolonization of denuded stream bottom
areas by drift

De Costa, J.J. (1964) 10-21678 F
Invest.Ind.Lakes, 6(2):65-101
Latitudinal distribution of chydorid Cladocera in the Mississippi Valley, based on their remains in surficial lake sediments

Remains of chydorids from 45 lakes are identified and relative abundance of each spp. in each lake is determined. Issued also as: Contr.Dep.Zool.Ind.Univ., (749).

Mueller, W.P. (1964) 10-21679 F
Invest.Ind.Lakes, 6(2):1-63
The distribution of cladoceran remains in surficial sediments from three northern Indiana lakes

Study to determine the extent of integration in surficial sediment of cladoceran remains contributed by littoral and planktonic communities, and to determine any changes in relative composition that might be occurring among the chydorid remains as they are transported inshore, including an examination of factors responsible for these distributions. Issued also as: Contr.Dep.Zool.Ind.Univ., (748).

Hayashi, R. (1961) 10-21680 M
Publ.Seto Mar.biol.Lab., 16:3-8
Asteroidea of the second Japanese Antarctic research expedition (1957-1958)

Ravera, O. & L. Vido (1961) 10-21681 F
Mem.Ist.ital.Idrobiol.de Marchi, 13:75-84
Misura del Mn-54 in popolazioni di Unio pictorum L. (molluschi, lamellibranchi) del Lago Maggiore
(Mn-54 measurements in populations of Unio pictorum L. (Mollusca Lamellibranchiata) from Lake Maggiore). It En

Ponyi, J.E. (1962) 10-21682 F
Ann.Inst.biol.hung.Acad.Sci., 29:129-63
Zoologische Untersuchung der Röhrichte des Balaton. 1. Krebse (Crustacea)
(Zoological investigation of the weeds in Lake Balaton. 1. Crayfish (Crustacea)).
Ma Ru

Ponyi, L. (1965) 10-21683 F
Ann.Inst.biol.hung.Acad.Sci., 32:175-86
Zoologische Untersuchung der Röhrichte des Balaton. 2. Wassermilben (Hydracarina)
(Zoological investigations of the weeds in Lake Balaton. 2. Watermites (Hydracarina). Ma Ru

Co 10-21682.

ANON. (1964) 10-21684 F
Indian Fmg, 14(6):29-31
New weed killers are subtle weapons

Shaidurov, V.S. & S.G. Narinyan 10-21685 F
(1964)
Izv.Akad.Nauk armian.SSR(biol.sel.Khoz.), 17(7):97-100
Red and black snow on Mt. Aragats

Caused by growth of Chlamydomonas nivalis.
BAgr. 29(8)67830.

Stasek, C.R. (1965) 10-21686 F
Malacologia, 2(3):349-66
Feeding and particle-sorting in Yoldia ensifera (Bivalvia:Protobranchia), with notes on other nuculanids

Smith, D.C. & E.A. Drew (1965) 10-21687 F
New Phytol., 64(2):195-200
Studies on the physiology of lichens. 5. Translocation from the algal layer to the medulla in Peltigera polydactyla

Zimbalevskaia, L.N. (1965) 10-21688 F
Gidrobiol.Zh., Kiev, (3):38-47
Soobshchestva bespozvonochnykh v zarosliakh vysshei vodnoi rastitelnosti srednego Dnepra
(Communities of invertebrates in beds of higher aquatic plants of the middle Dnieper)

Bazan-Strzelecka, H. (1963) 10-21689 F
Ekol.polsk. (A), 11(21):521-30
Attempts at an analysis of groupings of water mites Acari, Hydrachnellae in an ox-bow lake and a pond after peatdigging

Grebecki, A. & K. Petrusewicz 10-21690 F
(1963)
Ekol.polsk.(A), 11(26):589-600
Density and size of medium in populations
of Paramecium caudatum

Pieczynski, E. (1963) 10-21691 F
Ekol.polsk.(A), 11(5):141-57
Some regularities in the occurrence of
water mites, Hydracarina, in the littoral
of 41 lakes in the River Krutynia basin
and the Mikołajki district

Kownacka, M. (1963) 10-21692 F
Acta hydrobiol., Kraków, 4(2/3):173-88
Slimaki Gastropoda stawów rybnych w
Gołyszu i Landeku
(The snails Gastropoda of the fish ponds
at Golysz and Landek). Pl

Ravera, O. & P. Gaglione (1963) 10-21693 F
Rc.Ist.lomb.Sci.Lett.(B), 96(2):157-64
Concentrazione di Mn54 da fall-out in
relazione all'età e all'organo di Unio
mancus elongatulus
(Concentration of Mn54 from fall-out in
relation to the age and to the organ
of Unio m.e.). It En

A strong correlation was found between the
Mn54 concentration and the age of the
mollusc. Also the content of the radio-
nuclide varies in the different parts of
the body of Unio.

Lever, J. & J.J. Geuze (1965) 10-21694 F
Malacologia, 2(3):275-80
Some effects of statocyst extirpations in
Lymnaea stagnalis

Heard, W.H. (1965) 10-21695 F
Malacologia, 2(3):381-411
Comparative life histories of North American
pill clams (Sphaeriidae:Pisidium)

Calentine, R.L. (1965) 10-21696 F
J.Parasit., 51(2):243-8
The biology and taxonomy of Biacetabulum
(Cestoda: Caryophyllaeidae)

SFA 10(2)7705.

Hurst, A. (1965) 10-21697 F
Malacologia, 2(3):281-347
Studies on the structure and function
of the feeding apparatus of Philine
aperta with a comparative consideration
of some other opisthobranchs

Smirnova, A.N. (1965) 10-21698 F
Gidrobiol.Zh., Kiev, (4):53-60
K voprosu o sanitarno-pokazatelnom
znachenii nekotorykh naibolee raspro-
stranennykh vodoroslei
(On the sanitary-indicatory significance
of some of the more widespread algae)

Jones, I.G. (1965)A 10-21699 F
Biochem.J., 96(1):17-23
Studies on the characterization and structure
of the immobilization antigens of Paramecium
aurelia

Quillet, M. (1965) 10-21700 F
C.R.hebd.Séanc.Acad.Sci.,Paris (11), 260(23):
6192-4
Sur le saccharose produit par les
Rhodophycées
(On the saccharose produced by Rhodophyceae)

Preliminary results of analysis of Sacheria
fluviatilis, Bostrychia scorpioides,
Callithamnium tetricum and Bornetia
secundiflora.

Salanki, J. et al. (1963)B 10-21701 F
Acta physiol.hung., 24:55-66
Studies of the double innervation in the
regulation of adductor muscle tone in the
clam Anodonta cygnea L.

Gurzeda, A. (J.Bachrach,Transl.) 10-21702 F
(1964)C
OTS, TT-63-11351, 8 p.
Ecological relations between invertebrate
fauna and submerged vegetation

En 61-04672.
Available from the U.S. Department of
Commerce, Office of Technical Services,
Washington, D.C.

Kajak, Z. (J.Bachrach, Transl.) 10-21703 F
(1964)C
OTS TT-63-11351, 8 p.
The role of a rise of water level in displacing and depositing benthic fauna in environments associated with rivers

En 61-04669.
Available from the U.S. Department of Commerce, Office of Technical Services, Washington D.C.

Mulvey, R.H. (1963) 10-21704 F
Arctic, 16(3):203-4
Some soil-inhabiting, fresh-water, and plant-parasitic nematodes from the Canadian Arctic and Alaska

HA 33(4)2693.

Kasaki, H. (1964) 10-21705 F
J.Hattori bot.Lab., 27:217-314
The Charophyta from the lakes of Japan

BAgr. 29(2)10728.

Kann, E. (1963) 10-21706 F
Mem.Ist.ital.Idrobiol.de Marchi, 16:153-87
(Ecological investigations of the littoral algae growth in Lake Maggiore, Lake Mergozzo and Lake Orta). De

BAgr. 29(2)11201.

Boros, A. (1963) 10-21707 F
Buvar, 8(6):352-3
Botanical observations in the bed of the Danube

BAgr. 29(1)644.

Burbank, J.H. (1963) 10-21708 F
J.Tenn.Acad.Sci., 38(1):42-8
An evaluation of the aquatic pest plant control program at Reelfoot Lake

Control program has significantly altered composition of plant communities.
SFA 8(2)5643.

Evdushchenko, A.V. (1961)C 10-21709 F
In 10-20767
Vysshaia vodno-bolotnaia rastitel'nost' malykh rek severnogo Priazov'ia
(Higher aquatic and marsh vegetation of the small rivers of the northern Azov region)

Lubianov, I.P. (1961)C 10-21710 F
In 10-20767
Nekotorye osobennosti rasprostraneniia donnoi fauny v malykh rekakh severnogo Priazov'ia
(Some distribution features of the bottom-dwelling fauna in the small rivers of the northern Azov region)

Rosenthal, G.M. Jr., D.J. Nelson 10-21711 F
& D.A. Gardiner (1965)
Nature, Lond., 207(4992):51-4
Deposition of strontium and calcium in snail shell

Describes experiments with the freshwater snail, Physa heterostropha.

Williams, T.R. (1965) 10-21712 F
Ann.trop.Med.Parasit., 59(1):47-51
The diet of freshwater crabs associated with Simulium neavei in East Africa. 3. The diet of Potamonautes niloticus and of an unidentified crab species from Mount Elgon, Uganda

Co 9-05195.

Green, J. (1965) 10-21713 F
Parasitology, 55:195
Two species of peritrichous Ciliata epibiotic on parasitic Crustacea from Lake Albert, Uganda

Ruthmann, A. (1965) 10-21714 F
Quart.J.micr.Sci., 106:99-115
The fine structure of RNA-storing archaeocytes from gemmules of fresh-water sponges

Dale, H.M. (1965) 10-21715 F
Canad.J.Bot., 43(5):557-63
Influence of soil on weed vegetation on a drained river millpond. 2

Harris, S.A. (1965) 10-21716 F
Canad.J.Zool., 43(3):509-27
Ecology of the freshwater Mollusca of Iraq

Maheshwari, J.K. (1965) 10-21717 F
Nature, Lond., 206(4990):1270
Alligator weed in Indian lakes

Notes on distribution of *Alternanthera phils*, *Xeroides* of the family Amaranthaceae in West Bengal and Bihar.

Diehl, F.A. & A.L. Burnett (1965) 10-21718 F
J.exp.Zool., 158(3):283-99
The role of interstitial cells in the maintenance of Hydra. 2. Budding

Diehl, F.A. & A.L. Burnett (1965) 10-21719 F
J.exp.Zool., 158(3):299-319
The role of interstitial cells in the maintenance of *Hydra*. 3. Regeneration of hypostome and tentacles

Co 10-21718.

Zs-Nagy, I. & J. Salánki (1965) 10-21720 F
Acta biol.Acad.Sci.hung., 15(3):311-21
Structural changes in the aductors of the fresh-water mussel (*Anodonta cygnea* L.) depending on functional conditions

Salánki, J. (1965) 10-21721 F
Acta biol.Acad.Sci.hung., 15(3):299-311
Oxygen level as a specific regulator in the rhythmic activity of fresh-water mussel (*Anodonta cygnea* L.)

Shiraishi, Y. (1964) 10-21722 F
Bull.Freshw.Fish.Res.Lab., 14(1):67-76
(Fundamental study of Lake Yunoko for its fisheries development. 4. The vertical distribution of zoobenthonic fauna in coastal region of Lake Yunoko). *Ni* En

Quantitative study of zoobenthonic fauna; relation between spp. abundance and depth of water; relation between occurrence of fish populations and vertical distribution of benthonic spp.
Co 10-21121.

Giese, A.C. *et al.* (1964) 10-21723 F
Comp.Biochem.Physiol., 13(4):367-81
Reproductive and biochemical studies on sea urchin, *Stomopneustes variolaris*, from Madras Harbor

Nagy, I.Zs. & J. Salánki (1964) 10-21724 F
Acta biol.Acad.Sci.hung., 15(6):49
Histological investigations on the adductor muscles of fresh-water mussel in different functional conditions

Salánki, J. (1964) 10-21725 F
Acta biol.Acad.Sci.hung., 15(6):35
Oxygen level as an unusual regulator in the rhythmic activity of fresh-water mussel (*Anodonta cygnea* L.)

Szabó, E., L.J.M. Felföldy & L. Tóth (1964) 10-21726 F
Acta biol.Acad.Sci.hung., 15(6):15-6
Studies on physical, chemical and biological changes in the nutrient media of the algal pilot plant at Tihany

Felföldy, L.J.M., E. Szabó & L. Tóth (1964) 10-21727 F
Acta biol.Acad.Sci.hung., 15(6):14-5
Pilot plant experiments on algal mass culture at Tihany

Gubicza, A. & I.Zs. Nagy (1964) 10-21728 F
Acta biol.Acad.Sci.hung., 15(6):24
Comparative studies of different impregnation methods on the nervous system of freshwater mussel

Gallé, I. (1964) 10-21729 F
Acta biol.Acad.Sci.hung., 15(6):42-3
Lichencoenosis along the Tisza River

Smith, R.L. & V.E. Wiedeman (1964) 10-21730 F
Canad.J.Bot., 42(11):1582-6
A new alkaline growth medium for algae

Wiedeman, V.E. (1964) 10-21731 F
Canad.J.Bot., 42(11):1581-2
The non-utilization of TRIS as a carbon or nitrogen source in the growth of green algae

Gaglione, P. & O. Ravera (1964) 10-21732 F
Nature, Lond., 204(4964):1215-6
Manganese-54 concentration in fall-out, water and Unio mussels of Lake Maggiore, 1960-63

Ramaprasad, T.N.C. (1964) 10-21733 F
Curr.Sci., 33(10):310
Regeneration of operculum in Potamides cingulatus (Gmelin) (Gastropoda: Prosobranchia)

Seaman, D.E. (1962) 10-21734 F
Summ.bienn.publ.Hlth Vect.Conf., 4:81-5
Recent developments in the use of pesticides/control of aquatic weeds

WR (109):5.

Grizzell, R.A., Jr. and W.W. Neely (1962) 10-21735 F
Trans.N.Amer.Wildl.Conf., 27:107-13
Biological controls for waterweeds

WR (109):15.

Webb, M. (1963) 10-21736 M
Sarsia, (13):33-44
Siboglinum fiordicum sp. nov. (Pogonophora) from the Raunefjord, western Norway. Ru

Describes and illustrates species, together with notes on the larvae, and reproduction.

Webb, M. (1963) 10-21737 M
Sarsia, (13):45-9
A reproductive function of the tentacle in the male of Siboglinum ekmani Jägersten (Pogonophora). Ru

Present knowledge concerning functions of the tentacle in the Pogonophora deals with it as an organ of respiration and for the processes of nutrition. To these two functions a third can be added, that associated with reproduction.

Claus, G. (1963) 10-21738 F
Hydrobiologia, 21(3/4):266-74
Comments on the species of the genus Tetrapedia Reinsch (Chroococcaceae, Cyanophyta)

Investigation of processes of cell division and establishment of systematic position of genus Tetrapedia.

Bernatowicz, S. (1963) 10-21739 F
Polsk.Arch.Hydrobiol., 11(24)(2):145-56
Dynamika flory naczyniowej w Jeziorze Arklickim
(The dynamics of the vascular flora in the Arklickie Lake). Pl En Ru

Klekowski, R.Z. (1963) 10-21740 F
Polsk.Arch.Hydrobiol., 11(24)(2):219-40
Water balance and osmoregulation in the snail Coretus corneus (L.) under conditions of desiccation and in diluted sea water

Seidel, K. (1963) 10-21741 F
Naturwissenschaften, 50(12):452-3
Über Phenolspeicherung und Phenolabbau in Wasserpflanzen
(Phenol accumulation and phenol metabolism in aquatic plants)

Experiments carried out with Scirpus lacustris.

Rao, K.P. (1963) 10-21742
Proc.Indian Acad.Sci.(B), 58(1):11-3
Physiology of low temperature acclimation in tropical poikilotherms 4. Quantitative changes in the nucleic acid content of the tissues of the freshwater mussel, Lamellidens marginalis

Compared with mussels at 29 deg.C, Lamellidens at 19 deg.C have less free blood-amino acid and more tissue protein. Results are presented showing a correspondingly higher nucleic acid phosphorus content, and interpreted as an increase in protein synthesis at the lower temperature.
CR 10-12176.

Cushing, C.E., Jr. & P.A. Olson (1963) 10-21743 F
Trans.Amer.Fish.Soc., 92(3):303-5
Effects of weed burning on stream conditions

Presents biological, physical and chemical observations made before, during and after the burn.

Hartman, R.T. (1963)BC 10-21744 F
Pittsburg Univ., 20 p.
Studies of the autecology of vascular hydrophytes and their role in productivity and mineral cycling in aquatic ecosystems

Steeves, H.R. (1963) 10-21745 F
Amer.Midl.Nat., 69(2):470-81
The troglobitic asellids of the United States: the Stygius group

A comparative study of the male secondary sexual characteristics of the troglobitic asellids of the Stygius group is presented. Relationships between members of this group are presented, as well as information concerning the habits, ranges, and individual variations of these species. Two previously undescribed spp., Asellus bicrenatus and A. recurvatus are described and redescriptions, in the light of present knowledge of these animals, are given for A. stygius and A. richardsonae.

Lindberg, K. (1963) 10-21746 F
Bol.Soc.portug.Ciênc.nat., 9:27-48
Cyclopides (Crustacés Copépodes) du Portugal. Voyage au Portugal du Dr. K. Lindberg. Résultats zoologiques 2.
(Cyclopidae (Crustacea Decapoda) from Portugal. Mission in Portugal of Dr. K. Lindberg. Zoological results 2.)

Faunistic list of freshwater biotopes; systematic remarks on some species.

California. Department of Fish and Game (1963) 10-21747 F
Inl.Fish.inform.Leafl.Calif., (18):3 p.
Control of aquatic plants

A summary of present knowledge and experience of the Department of Fish and Game on the subject. Designed for the pond owner.

Starmach, K. (1963)C 10-21748 F
Flora slodkowod.,Pol., 1:270 p.
Rośliny słodkowodne. Wstep ogólny i zarys metod badania
(Fresh-water plants. General introduction and an outline of research methods). Pl

Series is planned to embrace eighteen volumes. Will contain brief descriptions and identification keys of fresh-water flora, with special reference to algae. Volume 1 has, in addition to introduction and bibliography of subject, the following chapters: 1. Water flora; 2. Algae; 3. The distribution and ecology of fresh-water algae; 4. An examination of algae.

Fabian, I. (1963) 10-21749 F
Stud.Cercet.Biol.(veg.), 15(3):361-85
Despre potentialul oxidoreducator la algele filamentoase si la plantele acvatice superioare
(On the potential of oxydation reduction in filamentous algae and higher aquatic plants). Ro Fr Ru

Reports results of research on Spirogyra sp., Vallisneria spiralis and Elodea canadensis.

Hopper, B.E. (1963) 10-21750 F
Canad.J.Zool., 41(6):1121-6
Punctodora exochopora n.sp. (Chromadoridae: Nematoda) from the Canadian shore of Lake Ontario

P. exochopora n.sp. differs from the type P. ratzeburgensis, in having the excretory duct projecting from the body and in having 15-6 pre-anal supplements. Only 1 to 3 are recorded for P. ratzeburgensis. P. exochopora differs from P. ohridensis by its shorter rectum and having spicules with blunt distal ends. An emended generic diagnosis is given, distinguishing the genus from Prochromadora. Neochromadora trilineata Schneider, 1943 is removed from synonymy with P. ohridensis and is regarded as incertae sedis.

Konstantinov, A.S. (1961) 10-21751 F
Ryb.Khoz., 4:40-1
Vyrashchivanie lichinok khironomid bez grunta
(Rearing chironomid larvae without soil)

Pil'guk, V.Ia. (1961)C 10-21752 F
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:143-53
Bentos i ego ispol'zovanie rybami v ozerakh Pavlodarskoi oblasti
(Benthos and its utilization by fishes in lakes of the Pavlodar province)

Ten, V.A. (1961)C 10-21753 F
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:131-42
Bentos ozera Marka-Kul'
(Benthos of lake Marka-Kul')

Wright, C.A. (1963) 10-21754 F
Bull.Brit.Mus.(nat.Hist.)Zool., 10(8):449-528
The freshwater gastropod Mollusca of Angola

Chavan, A.R. & S.N. Padate (1962) 10-21755 F
J.Univ.Baroda, 11(3):63-78
Hydrophytes of Savali taluka

BSEA 9(6)3920.

Vanamala, N.K. (1962) 10-21756 F
J.Bombay nat.Hist.Soc., 59:897-921
Studies on the freshwater Oligochaeta of south India. 1. Aeolosomatidae and Naididae. 4.

BSEA 9(6)4055.

Cariaso, B.L. (1962) 10-21757 F
Philipp.Agric., 46:369-77
Ecology of Simulium (Simuliidae, Diptera) aquatic stages

BSEA 9(6)4069.

Bombowna, A., L. Krzeczkowska & M. Klimczyk (1962) 10-21758 F
Acta hydrobiol., Kraków, 4(3/4):345-84
Chemische Faktoren, Phyto- und Zooplankton verschieden gedüngter Karpfenvorstreck- und Streckteiche
(Chemical factors, phyto- and zooplankton of carp ponds with different fertilization).
Pl

Green manuring was not favourable for phytoplankton development, but it enhanced Cladocera numbers. Farmyard manuring, on the other hand, caused an increase of Rotatoria.

Cwiertnia, J. (1962) 10-21759 F
Acta hydrobiol., Kraków, 4(3/4):301-20
Zarastanie zbiornika zaporowego w Goczałkowicach w ciągu pięciu lat po spiętrzeniu
(Overgrowth of the dam reservoir in Goczalkowice over the 5 years following the damming). Pl En

Starmach, K. (1962) 10-21760 F
Fragm.flor.geobot., 8(1):81-8
Glony zyjące na ściekach w nadrzecznych wierzbinach
(Algae found growing on footpaths in willow thickets near the Mszonka and Raba rivers(Polish western Carpathians)). Pl

A list of species found in a given environment is given with conditions associating their occurrence. Blue green algae prepondered among the algal sheets examined.

Berger, L. (1962) 10-21761 F
Fragm.faun.Inst.Zool.polsk.Akad.Nauk, 10(1):1-9
Uwagi o rozmieszczeniu małzów Sphaeriidae w Krutyni na Pojezierzu Mazurskim
(Notes on distribution of Sphaeriidae in the River Krutynia, Masurian Lake district).
Pl Ru De

Stpiczyńska, E. (1962) 10-21762 F
Monographiae bot., 13:87-120
Grzyby wodne dołów potorfowych koło wsi Całowanie
(Aquatic fungi of pits near by the village Calowanie). Pl De

Grygierek, E. & P. Wolny (1962)A 10-21763 F
Roczn.Nauk rol.(B), 81(2):211-30
Wpływ narybku karpia na jakość i liczebność występowania ślimaków w małych stawach
(The influence of carp fry on the quality and abundance of snails in small ponds).
Pl En Ru

Gniazdowska, J. (1962) 10-21764 F
Gospod.wodna, 22:523-4
Badania PIHM w zakresie zarastania koryt rzecznych
(Investigations of the State Hydrological-Meteorological Institute(SHMI) on overgrowing process in river beds). Pl

Observations carried out at several water gauge stations. Emerged vegetation develops progressively from the banks towards the middle of the river bed. The water flow, and its effect on development of various plants (Nuphar luteum, Scirpus lacustris, Sagittaria sagittifolia) discussed.

Riedel, W. (1962) 10-21765 F
Fragm.faun.Inst.Zool.polsk.Akad.Nauk, 9(26):417-38
Chruściki (Trichoptera) Tatr
(Trichoptera of the Tatra Mountains). Pl
Ru De

Schwartz, V. (1963) 10-21766 F
Naturwissenschaften, 50(20):631-40
Die Sicherung der arttypischen Zellform bei Ciliaten
(The safeguarding of genus typical form of the cell in the Ciliata)

Hohendorf, K. (1963) 10-21767 F
Kieler Meeresforsch., 19(2):196-218
Der Einfluss der Temperatur auf die Salzgehaltstoleranz und Osmoregulation von Nereis diversicolor O.F. Muell
(The influence of temperature on the salinity tolerance and the osmoregulation of Nereis diversicolor O.F. Muell). En

Szumiec, J. (1963)A 10-21768 F
Acta hydrobiol., Kraków, 5(4):315-35
Wpływ roślinności wynurzonej i sposobu jej koszenia na faunę denną stawów rybnych
(The influence of abovewater vegetation and the manner of its mowing on the bottom fauna of fish ponds). Pl En

Votintsev, K.K. & G.I. Popovskaia (1961) 10-21769 F
Dokl.Akad.Nauk SSSR, 163(6):1491-4
Produktsiia meloziry v ozere Baikal
(Melosira production in Lake Baikal)

Lentz, T.L. (1965) 10-21770 F
J.exp.Zool., 159(2):181-93
Fine structural changes in the nervous system of the regenerating Hydra

Relwani, L.L. & R. Subrahmanyan (1963) 10-21771 F
Curr.Sci., 32(10):441-3
Rôle of blue-green algae, chemical nutrients and partial soil sterilization on paddy yield

Nasir, P. et al. (1964) 10-21772 F
J.Helminth., 38:245-68
A key to the Cercariae from British fresh-water molluscs

Rohlich, P. & L.J. Torok (1964) 10-21773 F
Z.Zellforsch., 63:618-35
(Electron microscope observations on the eye cells of the leech Hirudo medicinalis L.). De

IABS 37(1)1768.

Zs-Nagy, I. & M. László (1964) 10-21774 F
Acta biol.Acad.Sci.hung., 15:39-44
Histochemical and biochemical studies on mucopolysaccharide content of the organs of fresh water mussel (Anodonta cygnea L.)

IABS 37(1)1779.

Brien, P. (1964) 10-21775 F
Ann.Endocr.,Paris, 25:30-5
(Sexual substance in the fresh water Hydra). Fr

IABS 38(3)7541.

Yamada, T. (1965) 10-21776 F
Zool.Mag.,Tokyo, 74(5):156-64
(Ecological studies on freshwater planarians inhabiting in a spring-fed stream in Nayoro City, Hokkaido. 1. Seasonal migration of the three species). Ni En

Seasonal migration of Phagocata iwamai, Dendrocoelopsis lacteus and D. ezensis.

Yanagita, Y. (1964) 10-21777 F
J.Fac.Sci.Hokkaido (6), 15(3):449-57
Observations on the copulation of a freshwater planarian, Polycelis sapporo

Conditions favoured for copulation; ill. description of process of copulation; histological observations.
Issued also as: Contr.Zool.Inst.Fac.Sci. Hokkaido Univ., (663).

Hirao, Y. (1964) 10-21778 F
J.Fac.Sci.Hokkaido (6), 15(3):439-47
Reproductive system and oogenesis in the freshwater oligochaete, Tubifex hattai

Ill. morphological description.
Issued also as: Contr.Zool.Inst.Fac.Sci. Hokkaido Univ., (665).

Diehl, F.A. & A.L. Burnett (1964) 10-21779 F
J.exp.Zool., 155(2):253-9
The role of interstitial cells in the maintenance of Hydra. 1. Specific destruction of interstitial cells in normal, asexual, non-budding animals

Burnett, A.L. & N.A. Diehl (1964) 10-21780 F
J.exp.Zool., 157(2):217-22
The nervous system of Hydra. 1. Types, distribution and origin of nerve elements

Burnett, A.L., N.A. Diehl & F. Diehl (1964) 10-21781 F
J.exp.Zool., 157(2):227-30
The nervous system of Hydra. 2. Control of growth and regeneration by neurosecretory cells

Co 10-21780.

Burnett, A.L. & N.A. Diehl (1964) 10-21782 F
J.exp.Zool., 157(2):237-48
The nervous system of Hydra. 3. The initiation of sexuality with special reference to the nervous system

Co 10-21781.

Kumar, H.D. (1964) 10-21783 F
J.exp.Bot., 15(44):232-51
Streptomycin- and penicillin-induced inhibition of growth and pigment production in blue-green algae and production of strains of Anacystis nidulans resistant to these antibiotics

Gambles, R.M. (1963) 10-21784 F
J.W.Afr.Sci.Ass., 8(1):111-20
The larval stages of Nigerian dragonflies, their biology and development

Morphology, behaviour, development, growth, adaptations to special habitats, respiratory mechanisms.

Sturrock, R.F. (1963) 10-21785 F
J.W.Afr.Sci.Ass., 8(1):1-5
Imperial College biological expedition to Ghana 1958: notes on occurrence and distribution of some aquatic snails

An account is given of the methods used for collecting and preserving the snails. A list of the localities visited is followed by a more detailed description of each site and the species of snails found there. A list of the species of snails collected is given, together with notes on the helminthological role played by certain of them.

Egglishaw, H.J. (1964) 10-21786 F
J.Anim.Ecol., 33(3):463-76
The distributional relationship between the bottom fauna and plant detritus in streams

Margolis, L. (1964) 10-21787 F
Canad.J.Zool., 42(4):716
Paurorhynchus hiodontis Dickerman, 1954 (Trematoda: Bucephalidae): a second record involving a new host and locality in Canada

Palmer, J.D. & F.E. Round (1965) 10-21788 F
J.Mar.biol.Ass.U.K., 45(3):567-82
Persistent, vertical-migration rhythms in benthic microflora. 1. The effect of light and temperature on the rhythmic behaviour of Euglena obtusa

Meenakshi, V.R. (1963) 10-21789 F
Proc.int.Congr.Zool., 16(2):79
The organic matrix of the gastropod shell

Analysis and operculum in Pila globosa.
Pr 62-078me.
Abstract only.

Cahoon, Sister M. Odile & M.A. McWhinnie (1963) 10-21790 F
Proc.int.Congr.Zool., 16(2):119
A study of exo-skeletal calcium and its variation in the crustacean intermolt cycle

Experiments carried out with Orconectes virilis.
Pr 62-078me.
Abstract only.

Mookerjee, S. (1963)A 10-21791 F
Proc.int.Congr.Zool., 16(2):237
Determination of cell system in Hydra

Pr 62-078me.
Abstract only.

Pitelka, D.R. (1963)A 10-21792 F
Proc.int.Congr.Zool., 16(2):293
Fine structure of the buccal apparatus in Paramecium

Pr 62-078me.
Abstract only.

McMillan, N.F. (1963) 10-21793 F
J.Conch., 25(5):183-8
The *Pisidium*-fauna of Bromborough, Cheshire

Verdcourt, B. (1963) 10-21794 F
J.Conch., 25(5):188-92
A note on *Sitala jenynsi* Pfeiffer (Helicarionidae)

Notes and a key to 4 species based on material collected in 1938.

Holm-Hansen, O. (1963) 10-21795 F
Physiol.Plant., 16(3):530-40
Viability of blue-green and green algae after freezing

Algae from the Wisconsin region and from the Antarctic were tested. Filamentous blue green algae, of sessile species, showed greatest resistance.

Bonetto, A.A. (1963) 10-21796 F
Proc.int.Congr.Zool., 16(1):9
Rasgos fundamentales de la organización y desarrollo larval de los mutelidos americanos (Fundamental aspects of the organization and larval development of the American mutelids)

Shows the necessity to separate clearly the African and American mutelids from forms with a glochidium larva.
Pr 62-078me.
Abstract only.

McCullough, C.B. (1963) 10-21797 F
Proc.int.Congr.Zool., 16(1):25
The contraction burst pacemaker system in hydras

Discusses rhythms believed to depend on neuronal transmission in *Hydra littoralis* and *H. pirardi.*
Pr 62-078me.
Abstract only.

Oda, S. (1963) 10-21798 F
Proc.int.Congr.Zool., 16(1):35
Factors causing variation in the statoblasts in *Lophopodella*

Describes seasonal changes in statoblasts and mentions the repercussions on the classification of the Bryozoa.
Pr 62-078me.
Abstract only.

Hart, C.W.,Jr. (1963)A 10-21799 F
Proc.int.Congr.Zool., 16(1):51
The status of entocytherid ostracod research in the United States and Mexico

Pr 62-078me.
Abstract only.

Maguire, B.,Jr. (1963)A 10-21800 F
Proc.int.Congr.Zool., 16(1):64
Population regulation by ectocrines in *Cura formanii* (Turbellaria)

Pr 62-078me.
Abstract only.

Clegg, J.A. (1963) 10-21801 F
Proc.int.Congr.Zool., 16(1):83
The role of glycoproteins in egg-shell formation of trematodes and cestodes

Describes work on *Schistosoma mansoni.*
Pr 62-078me.
Abstract only.

Finley, H.E., N. Boggs & P.T. Crump (1963) 10-21802 F
Proc.int.Congr.Zool., 16(1):186
Systematics of *Spirostomum* (class Ciliata)

Uses the numbers of ciliary meridians, demonstrated by a modified silver impregnation technique, as a taxonomic character.
Pr 62-078me.
Abstract only.

Guseva, K.A. (1963)C 10-21803 F
8732 (1 068)
Water bloom, its causes, prediction, and control

En 1952, K.A. Guseva.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Collins, R.P. & G.H. Bean (1963) 10-21804 F
Phycologia, 3(2):55-9
Volatile constituents obtained from *Chlamydomonas globosa* 1. The carbonyl fraction

Odour substances were analysed in extracts of steam distillates.

Fott, B. (1963) 10-21805 F
Phycologia, 3(2):101-3
Granulochloris spinifera sp.nova

Description and figures of material from a Massachusetts pond.

Dahm, A.G. (1963) 10-21806 F
Ark.Zool., 16(1):41-67
The karyotypes of some freshwater triclads from Europe and Japan, Turbellaria, Tricladida, Paludicola

Results of investigations of karyotypes of some freshwater triclad species from Europe and Japan made to advance the understanding of their mutual affinities.

Engel, H. (1963) 10-21807 F
Allg.Fisch.Ztg., 88(23):666-7
Die Wandermuschel vom Würmsee
(The pilgrim mussel in the Würmsee)

A *Dreissensia polymorpha* outbreak and its effects.

Kalmus, H. (1963) 10-21808 F
Anim.Behav., 11(4):602
Shell occupation by crayfish

Tank observations of behaviour of *Potamobius* (*Astacus*) *fluviatilis* in relation to *Helix* shell.
Ci 9-09219.

Serbănescu, M. (1963) 10-21809 F
Stud.Cercet.Biol.(veg.), 15(4):453-68
Contributii la studiul florei si vegetatiei algelor din mlastinile eutrofe Hărman-Prejmer (Reg. Brasov)
(Contribution to the study of flora and algal vegetation of the eutrophic marshes at Hărman-Prejmer (Brasov region)). *Ro* Fr Ru

Lenhard, G. & A. du Plooy (1963) 10-21810 F
Hydrobiologia, 22(3/4):317-23
Studies on the removal of synthetic deterge from the water phase of bottom deposits by physical adsorption and biochemical degradation. De

Dayal, R. & R.N. Tandon (1963) 10-21811 F
Hydrobiologia, 22(3/4):324-30
Ecological studies of some aquatic phycomycetes 2. Fungi in relation to chemical factors of the water

Attempt to correlate the distribution and the periodicity of some Indian fungi with factors including, hydrogen-ion concentration, ammonia, nitrate, nitrite, chloride, dissolved oxygen, hardness, metallic impurities viz. lead, zinc, iron and copper, and temperature. Co 8-09231.

Hilliard, D.K. (1963) 10-21812 F
Hydrobiologia, 22(3/4):331-97
Studies on the Chrysophyceae from some ponds and lakes in Alaska. 2. Notes on the genera *Dinobryon*, *Hyalobryon* and *Epipyxis* with descriptions of new species

Grant, V.J.I. (1962) 10-21813 F
J.zool.Soc.India, 14:188-93
Larval muscles of *Simulium ornatum* Meigen (Nematocera, Diptera) and their histolysis

BSEA 9(10)6903.

Hilsenhoff, W.L. (1965) 10-21814 F
Trans.Amer.Fish.Soc., 94(3):210-3
The effect of toxaphene on the benthos in a thermally-stratified lake

Mason, C.P. (1965) 10-21815 F
Ecology, 46(4):421-9
Ecology of *Cladophora* in farm ponds

Chapman, M.A. (1963) 10-21816 F
Hydrobiologia, 22(1/2):1-28
A review of the freshwater ostracods of New Zealand

A key is given to the 28 known living spp., belonging to 18 genera. 10 new spp. are described, and 8 genera are recorded for the first time from New Zealand. Brief notes on the habitat and life-history of some of the spp. are given.

Agnew, J.D. (1963) 10-21817 F
Hydrobiologia, 22(1/2):41-6
New South African records of imperfectly known Baetidae (Ephem.)

Occurrence in South Africa of three spp. of Baetidae, known only in the nymphal stages and previously described from Central Africa, is recorded. Aspects of the distribution of these forms are discussed.

Thorup, J. (1963) 10-21818 F
Hydrobiologia, 22(1/2):55-84
Growth and life-cycle of invertebrates from Danish springs

Czeczuga, B. (1963) 10-21819 F
Hydrobiologia, 22(1/2):92-110
Quantitative proportions of glycogen in certain species of the Tendipedidae (Diptera) larvae

Karaman, M.S. (1963) 10-21820 F
Hydrobiologia, 22(1/2):111-26
Studie der Astacidae (Crustacea, Decapoda). 2
(Studies of the Astacidae (Crustacea, Decapoda). 2.)

Keys, description of species, etc.

Hall, R.E. & J.J. Harrod (1963) 10-21821 F
Hydrobiologia, 22(1/2):197-201
A method of rearing Simulium ornatum var. nitidifrons (Diptera, Simulidae) in the laboratory

An apparatus for rearing simuliid larvae is described. It allows for the continuous and rapid circulation and aeration of the water, and provides a range of current speeds suitable to larvae from fast flowing waters. The results of rearing the larvae of Simulium ornatum var. nitidifrons are described.

Terent'ev, A.P. et al. (1965) 10-21822 F
Dokl.Akad.Nauk SSSR, 164(4):928-30
Ispol'zovanie polimetallicheskikh rud i produktov ikh obrabotki v kachestve al'gitsida
(Polymetallic ores and their working-products, applied as algicides)

Sudzuki, M. (1965) 10-21823 F
Zool.Mag., Tokyo, 74(5):135-48
Zur biologischen Analyse der mikroskopischen Süsswassertierwelt geringster Wassermengen. 3. Die in ärophytischen grösseren Moospolstern lebende Mikrofauna und ihre Veränderung (im Frühjahr)
(Biological analysis of the microscopic fresh-water fauna of very small water bodies. 3. The microfauna living in aerophytic large moss cushions and its variations in spring). Ni De

Faunistic lists.
Co 10-12119..

Roland, C. (1963) 10-21824 F
Bull.Mus.Hist.nat., Paris, 35(5):496-506
Études sur les Crustacés Branchioures d'Europe. 3. Redescription d'Argulus coregoni Thorell
(Studies on European branchiuran Crustacea. 3. Redescription of Argulus coregoni Thorell)

Ill. morphological description.

Nakazima, M. (1965) 10-21825 F
Bull.Jap.Soc.sci.Fish., 31(4):281-5
Studies on the source of shellfish poison in Lake Hamana. 3. Poisonous effects of shellfishes feeding on Prcrocentrum sp.

Co 10-22759.

Murakami, Y. (1964) 10-21826 F
Zool.Mag., Tokyo, 73(3):94-7
(Postembryonic development of the common Myriapoda of Japan. 16. Two new species of subfamily Pyrgodesminae (Diplopoda: Cryptodesmidae)). Ni En

Key to subfamily; ill. morphological description of two new spp.; Ampelodesmus iyonis and A. corniger.

Kershaw, W.E. (1965) 10-21827 F
Nature, Lond., 208(5006):199
Selective effect of particulate insecticides on Simulium among stream fauna

Ulitchev, I.S. & Zh.I. Shakerbai 10-21828 F
(1961)C
In 10-20151
Razrabotka mer bor'by s vrednoi i
zhestkoi rastitel'nost'iu
(Development of measures for the control
of harmful and coarse vegetation)

Mikhailov, V.V. & D.L. Teplyi 10-21829 F
(1961)
Zool.Zh., 40:1619-23
O toksichnosti sine-zelenykh vodoroslei
reki Volgi
(Toxicity of blue-green Volga algae).
En

Odintsov, V.S. (1961) 10-21830 F
Zool.Zh., 40:1832-41
Zimnee razvitie lichinok moshek Diptera,
Simuliidae
(Winter growth of Simuliidae (Diptera)
larvae). En

Liakhov, S.M. (1961) 10-21831 F
Biull.Inst.Biol.Vodokhran., (10):18-21
O massovom razvitii dreisseny v
Stalingradskom vodokhranilishche
(Mass development of zebra mussel in the
Stalingrad Reservoir)

Poddubnaia, T.L. & Iu.I. Sorokin 10-21832 F
(1961)
Biull.Inst.Biol.Vodokhran., (10):14-7
Glubina optimal'nogo pitaniia tubifitsid
v sviazi s ikh peremeshcheniiami v grunte
(Optimum feed depth for Tubificidae in
relation to their migration within the
soil)

Potapov, A.A. (1961) 10-21833 F
Biull.Inst.Biol.Vodokhran., (10):7-10
Zarastanie melkovodii Uchinskogo
vodokhranilishcha
(Weed encroachment in the shallow waters
of the Ucha Reservoir)

Olivari, G.A. (1961) 10-21834 F
Trudy Inst.Gidrobiol.,Kiev, (36):145-65
Bentos sovetskogo uchastka Dunaia
(Benthos of the Soviet part of the
Danube). En

Olivari, G.A. (1961) 10-21835 F
Trudy Inst.Gidrobiol.,Kiev, (36):264-73
Zoobentos pridunaiskikh vodoemov
(Benthic fauna of bodies of water in the
Danube area). En

Konstantinova, N.S. (1961) 10-21836 F
Vop.Ikhtiol., 1:363-7
O tempe rosta vetvistousykh rachkov i
opredelenii ikh produktsii
(Growth rate of water-fleas and
determination of their production)

Luferov, V.P. (1961) 10-21837 F
Trudy Inst.Biol.Vodokhran., (4/7):232-45
O pitanii lichinok Pelopiinae (Diptera,
Tendipedidae)
(Diet of Pelopiinae (Diptera,
Tendipedidae) larvae)

Liakhov, S.M. (1961) 10-21838 F
Trudy Inst.Biol.Vodokhran., (4/7):187-203
Materialy po donnomu naseleniiu Volgi ot
Rybinska do Astrakhani k nachalu ee
gidrotekhnicheskoi rekonstruktsii
(Data on the bottom-dwelling population
of the Volga from Rybinsk to Astrakhan
prior to hydrotechnical reconstruction)

Liakhov, S.M. (1961) 10-21839 F
Trudy Inst.Biol.Vodokhran., (4/7):204-18
Formirovanie bentosa Stalingradskogo
vodokhranilishcha na pervom godu ego
sushchestvovaniia
(Benthos formation during the first year
of the Stalingrad Reservoir's existence)

Margolina, G.L. (1961) 10-21840 F
Trudy Inst.Biol.Vodokhran., (4/7):246-50
K voprosu o pitanii Tendipes plumosus
v Rybinskom vodokhranilishche
(The problem of Tendipes plumosus diet in
the Rybinsk Reservoir)

Mordukhai-Boltovskoi, F.D. 10-21841 F
(1961)
Trudy Inst.Biol.Vodokhran., (4/7):49-177
Protsess formirovaniia donnoi fauny v
Gor'kovskom i Kuibyshevskom
vodokhranilishchakh
(The process of bottom fauna formation in
the Gor'kovskoe and Kuibyshev Reservoirs)

Poddubnaia, T.L. (1961) 10-21842 F
Trudy Inst.Biol.Vodokhran., (4/7):219-31
Material po pitaniiu massovykh vidov tubifitsid Rybinskogo vodokhranilishcha
(Data on the diet of prolific species of tubificids in the Rybinsk Reservoir)

Zezina, O.N. (1961) 10-21843 F
Nauch.Dokl.vyssh.Shk.(biol.), (3):30-4
K vidovoi diagnostike lichinok Cricotopus gr. silvestris Fabr. (Diptera, Chironomidae)
(A contribution to the species diagnostics of Cricotopus gr. silvestris Fabr. (Diptera, Chironomidae) larvae)

Raspopov, I.M. (1961) 10-21844 F
Trud.Lab.Ozerov., 12:193-210
Vysshaia vodnaia rastitel'nost' shkhernogo raiona Ladozhskogo ozera
(Higher aquatic vegetation of the cliff area of Lake Ladoga)

Kuntsova, M.Ia. (1961) 10-21845 F
Biull.eksp.Biol.Med., (12):8-12
Vliianie gamma-aminomaslianoi kisloty na dvigatel'nye reaktsii normal'noi i denervirovannoi myshtsy - zakryvatelia kleshni raka
(Effect of gamma-aminobutyric acid on the motor reactions of the normal and the denervated obturator muscle of the crab claw). En

Konstantinov, A.S. & A.V. Luzina (1961) 10-21846 F
Tsitologiia, 3:341-4
O tsitologicheskikh osnovakh rosta lichinok zvontsov, khironomid
(Cytological principles of larval growth in chironomid midges)

Kokin, K.A. (1961) 10-21847 F
Nauch.Dokl.vyssh.Shk.(biol.), (4):104-8
O fil'truiushchei roli vysshei vodnoi rastitel'nosti v protsessakh samoochishcheniia reki Moskvy
(The filtering role of higher aquatic vegetation in the self-cleansing processes of the Moskva River)

Gun'ko, A.F. (1961) 10-21848 F
Trud.Inst.Biol.Vodokhran., (4/7):178-86
Donnaia fauna Volgi v raione Gor'kovskogo vodokhranilishcha do ego sooruzheniia
(Bottom fauna of the Gor'kovskoe part of the Volga before the construction of the Reservoir)

Gurvich, V.V. (1961) 10-21849 F
Nauch.Dokl.vyssh.Shk.(biol.), (3):18-20
O formirovanii fauny mikrobentosa verkhnego uchastka Kakhovskogo vodokhranilishcha
(Formation of benthic microfauna in the upper part of the Kakhovskoe Reservoir)

Rybakov, A. (1961) 10-21850 F
Rybovod.i Rybolov., (4):28
Bor'ba s zhestkoi rastitel'nost'iu
(Control of coarse vegetation)

Vonk, H.J. & D.I. Zandee (1963) 10-21851 FG
Proc.int.Congr.Zool., 16(2):34
Intermediary metabolism of lipids and amino acids in invertebrates

Includes notes on lamellibranchs Anemonia, Astacus.
Pr 62-078me.
Abstract only.

Beyers, R.J. (1963) 10-21852 FG
Ecol.Monogr., 33(4):281-306
The metabolism of twelve aquatic laboratory microecosystems

Microcosm method used to investigate the basic properties of metabolism in 12 microecosystems. Initial seeding of species, sediments, and water taken from San Marcos River, Texas. Nearly balanced steady state was established one month after seeding. Diurnal curves of respiration and photosynthesis measured under experimental and steady state conditions. Experiments concerned overgrazing and photoperiod. After steady state established primary producers present were Vallisneria and Oedogonium; main animal biomass made up of Physa and a burrowing oligochaete worm. Indexes of diversity of animals and plants. Carbon metabolism was measured by new variation of pH meters and titration with dioxide-saturated distilled water to establish a correlation curve between carbon dioxide and pH in microcosm. Oxygen concentrations determined with Scholander micro gasometric technique and with a one cc micro-Winkler apparatus. Grazing experiment was carried out on three microecosystems by addition of large herbivorous snails.

Matsuda, R. (1963)A 10-21853 G
Proc.int.Congr.Zool., 16(1):184
Relative growth patterns as taxonomic characters in Arthropoda

Pr 62-078me.
Abstract only.

FISHING

Japan. Fisheries Agency. Research Division (1965)C 10-21854 M
Tokyo, 322 p.
(Annual report of effort and catch statistics by area on Japanese tuna long line fishery 1963). Ni En

Presents in tabular form data on number, estimated total number and estimated yearly and quarterly total number of hooks and catch by spp. shown by month, 5° square, quarter of the year; type of operation; size of vessel and kind of bait.
:aem

Nakagome, J. & S. Suzuki (1962) 10-21855 M
Tuna Fish., 1(8):33-46
(Seasonal and annual variation of the hooking rate and annual variation of the catch quantity of tuna and marlin in the tropical Atlantic Ocean). Ni En

ANON. (1961) 10-21856 M
Ryb.Promyshl.dal.Vost., (3):26-7
Pervoe otechestvennoe tuntselovnoe sudno
(The first Soviet tuna vessel)

USFWS. Bureau of Commercial Fisheries (1965) 10-21857 M
A.Summ.U.S.Bur.comm.Fish., 1963:12 p.
Pacific coast fisheries, 1963, annual summary

Temple, A. (1965) 10-21858 M
Aust.Fish.Newslett., 24(6):28-9
Steel gill-netting vessel has new features

Description of vessel and gear.

Van Dongen, I.S. (1962) 10-21859 M
Bol.Soc.Geogr.Lisboa, Jan.-June, 30 p.
Sea fisheries and fish ports in Angola

Report on fishing regions, the fishing settlements, the fish-product exporting ports, and the general growth of the fisheries in Angola. Review improvements proposed by individuals and organizations connected with the fisheries.

Martsukevich, I.V. (1961) 10-21860 M
Ryb.Promyshl.dal.Vost., 3:12-4
Plavbaza v reise. Kak my dobivalis' vysokogo kachestva produktsii
(The factory ship at sea. How we obtained high-quality production). Ru

Noel, H.S. (1965) 10-21861 M
Aust.Fish.Newslett., 24(7):29-30
Britain's contribution to world fishing

Note on techniques for acoustic detection of fish; fish farming developments; time and motion studies applied to the fishing industry.

Bertelsen, E. & P.M. Hansen (1963) 10-21862 M
Skr.Danm.Fisk-og Havunders., (23):114 p.
Fiskeriundersøgelser i 1962 ved Danmark, Faerøerne og Grønland
(Fisheries investigations in 1962 in Denmark, Faroe Isl. and Greenland).
Da

Mathis, C.V. (1963) 10-21863 M
Natn.Fisherm., 44:29, 33
Demand is slight in this country but Europeans really hunger for live eels

CFA 17(3):3.

Hitz, C.R. & D.L. Alverson (1963) 10-21864 M
Comm.Fish.Rev., 25:1-7
Bottomfish survey off the Oregon coast, April-June 1961

CFA 17(3):21.

Nikonorov, I.V. (W.E. Ricker, Transl.)(1963) 10-21865 M
Transl.Ser.Fish.Res.Bd Can., (446):5 p.
The use of blocks of lights in fishing for kilka with a fish pump

En 61-05045.

ANON. (1965) 10-21866 M
Pol.marit.News, 8(81):32 p.

Section on fishing gives information about exports of fish and fish products in 1964. 'Fishing News Bulletin' gives notes on catches, govt. and industrial activities.

Maklakov, A.Ia. (1965)B 10-21867 M
Ryb.Khoz., 41(3):33-5
(Trawling at great depths). Ru

Soviet experimental catches at depths 800-1500 m; techniques of trawling, equipment and gear are described.

Maklakov, A.Ya. (C.A. McLean, Transl.)(1965) 10-21868 M
Transl.Fish.Lab.,Lowestoft, (68):3 p.
Trawling at great depths

En 10-21867.

FAO/UN (1965) 10-21869 M
Rep.FAO/EPTA, (1936):53 p.
Informe al gobierno de El Salvador sobre la pesquería de camarones y los recursos camaroneros de El Salvador basado en el trabajo de Robert W. Ellis, biólogo de pesca de la FAO/PAAT
(Report to the government of El Salvador on shrimp fisheries and shrimp resources in El Salvador based on the work of Robert W. Ellis FAO/TA marine biologist)

Report on FAO project carried out under UN Expanded Programme of Technical Assistance. Contains chapters on: Fisheries administration; fishing zones; gear and fishing methods; species caught - Penaeus occidentalis, P. stylirostris, P. vannemei, P. californiensis, & P. brevirostris; catch and biological statistics; quantitative and qualitative variations of landings; remarks on bionomy of the most important species. Gives recommendations for further action or development.
Referred to also as: FAO Fish.EPTA Rep., (Fib/EPTA 60).

Margetts, A.R. (1964) 10-21870 M
Electronics Pwr, 10:221-3
Underwater observations and uses of electricity in fisheries

Electrical and electronic apparatus is being used to study the reactions of fish to the trawl and the state of trawl in use, in an effort to develop new fishing methods.
IA 19(9)5169.

Norwegian FAO-Committee (1964) 10-21871 M
Rep.Norway/FAO, (1961,1962,1963):19 p.
Agriculture, forestry, fisheries and nutrition in Norway. Article XI report 1964 from Norway to the Food and Agriculture Organization of the United Nations (for 1961, 1962 and 1963)

Includes data on catch, landings, marketing, fishing craft and fisheries policy.

Hopkin, P.R. (1963)C 10-21872 M
In 10-20026, Pap.(14):11 p.
Cathode-ray tube displays for fish detection on trawlers

Issued also as: J.Br.Instn Radio Engrs, 25(1):73-82.

Welsby, V.G. & J.R. Dunn (1963)C 10-21873 M
In 10-20026, Pap.(16):4 p.
A high-resolution electronic sector-scanning sonar

Issued also as: J.Br.Instn Radio Engrs, 26(3):205-8.

Freedman, A. (1963)C 10-21874 M
In 10-22026, Pap.(28):14 p.
The portrayal of body shape by a sonar or radar system

Issued also as: J.Br.Instn Radio Engrs, 25(1):51-64.

Chestnoi, V.N. (C.A. McLean, Transl.)(1965)C 10-21875 M
Lowestoft, U.K. MAFF, 8 p.
On optimum trawling speeds

En 8-03257.

Craig, R.E. (1963)C 10-21876 M
In 10-20026, Pap.(11):7 p.
The fisheries application of sonar

Issued also as: J.Br.Instn Radio Engrs,
25(3):201-6.

Cushing, D.H. et al. (1963)C 10-21877 M
In 10-20026, Pap.(12):5 p.
Measurements of the target strength of fish

Issued also as: J.Br.Instn Radio Engrs,
25(4):299-303.

Haslett, R.W.G. (1963)C 10-21878 M
In 10-20026, Pap.(15):13 p.
A high-speed echo-sounder recorder having seabed lock

Issued also as: J.Br.Instn Radio Engrs,
24(6):441-52.

Vanderkulk, W. (1963)C 10-21879 M
In 10-20026, Pap.(20):8 p.
Optimum processing for acoustic arrays

Issued also as: J.Br.Instn Radio Engrs,
26(4):285-92.

Horton, J.W. (1963)C 10-21880 M
In 10-20026, Pap.(22):8 p.
The directional discrimination of volume arrays of electro-acoustic transducers

Issued also as: J.Br.Instn Radio Engrs,
25(4):377-84.

Welsby, V.G. (1963)C 10-21881 M
In 10-22026, Pap.(23):10 p.
The angular resolution of a receiving aperture in the absence of noise

Issued also as: J.Br.Instn Radio Engrs,
26(2):115-24.

Shearman, E.D.R. (1963)C 10-21882 M
In 10-22026, Pap.(24):8 p.
Synthesis of multi-element directional patterns using a two-element single-frequency receiving array

Issued also as: J.Br.Instn Radio Engrs,
26(1):59-66.

Federici, M. (1963)C 10-21883 M
In 10-22026, Pap.(26):6 p.
On the improvement of detection and precision capabilities of sonar systems

Issued also as: J.Br.Instn Radio Engrs,
25(6):535-40.

Tucker, D.G. (1963)C 10-21884 M
In 10-22026
The future of non-military sonar

Issued also as: J.Br.Instn Radio Engrs,
24(5):415-20.

Probatov, A.N. et al. (1964)C 10-21885 M
9022.56 (52)
Scientific fishery investigations in the middle Atlantic region

En 61-07394.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

FAO/UN (1965) 10-21886 M
Rep.FAO/EPTA, (2001):34 p.
Report to the government of Ghana on biological investigation of fisheries resources, based on the work of Miroslav Zei, FAO/EPTA marine fisheries biologist

Report on FAO project carried out under UN Expanded Programme of Technical Assistance. Resources survey - Contains results of investigations on pelagic and demersal fish stocks, hydrographic and plankton studies, international cooperation in research. Gives recommendations for further action and development.
Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 67).

ANON. (1963) 10-21887 M
World Fish., 12(7):6-7
New British trawl depth telemeter

Instrument developed by National Institute of Oceanography. May be made available commercially to fishing industry.

ANON. (1963) 10-21888 M
World Fish., 12(7):7
How tide and warp length affect net spread

Rosen, A. & R.K. Robinson (1963) 10-21889 M
Publ.Mar.Lab.Univ.Miami, (63-2):20 p.
Summary of Florida commercial marine landings, 1962

Contains tables of landings and values of fishes and shellfish landed in Florida. Data are presented for each country in the State and summarized for the east coast, west coast and combined totals.
Ci 8-04269.

Davies, J.F. (1965) 10-21890 M
Fish.Newslett.Aust., 24(5):15
Leading nations look to southern oceans

Note on discovery of new grounds as a short-term solution to the need for adequate supplies of fish by some nations.

Kusaka, T. (1965) 10-21891 M
Bull.Jap.Soc.sci.Fish., 31(3):187-91
(Fish gathering and submarine illumination of fluorescent discharge lamps). Ni
En

Experiment to test the effectiveness of fluorescent discharge lamps for gathering fish, using lamps of 5 kinds in red, green, blue, white and yellow. Species composition of the catch is given, and submarine illumination by each lamp is measured.

Baranova, E.N. & Iu.B. Baranov (1961) 10-21892 M
Nauch.-tekh.Biull.NIIMRP VNIRO, (9/10):10-6
O napravlenii razvitiia mekhanizatsii koshel'-kovogo lova
(The trend of development in the mechanization of purse seining)

Riabukhin, M.V. (1961) 10-21893 M
Nauch.-tekh.Biull.NIIMRP VNIRO, (9/10):3-9
Ekspluatatsionnye parametry mashin kompleksnoi mekhanizatsii dlia drifternogo lova sel'di na SRT. Po materialam otcheta laboratorii mekhanizatsii dobychi ryby NIIMRP za 1959 g.
(Operating parameters of mechanized equipment for catching herring by drifting on medium-range trawlers. Based on materials in a report of the Laboratory of Fishing Mechanization, Fisheries Mechanization Research Institute, 1959)

Grinbart, S.B. & N.I. Stakhorskaia (1960) 10-21894 M
Nauchnyi Ezheg.odess.Gosuniv., (2):151-4
K izucheniiu fauny Khadzhibeiskogo limana. (Materialy nabliudenii 1958 g.)
(A note on the fauna of the Khadzhibei liman: 1958 observational materials)

IOF (1963) 10-21895 M
Sea Frontiers, 9(2):66-127

This issue contains the following semipopular articles: Remoras "Living Fish Hooks" by W.M. Stephens; Air support for fisheries by E.S. Iversen.

FAO (1963) 10-21896 M
Bull.Fish.Statist., (3):67 p.
Catches in the north-east Atlantic 1962
Quantités pêchées dans l'Atlantique nord-est 1962
Capturas en el Atlántico nordeste 1962

An advance release, comprising 1962 nominal catch data by country and by species according to ICES fishing areas. Incl. summary tables covering the fourteen principal fish species for which ICES collects monthly data.

Ramíres, M.J.S. (1963) 10-21897 M
El Pescador, (11):38-41
Ensayo de nasas para la captura de langosta en la bahía de la Ascensión
(Experiments with lobster-pots for lobster fishing in the Bay of Ascension)

Short article. Contains some data on yield.

Baade, F. (1963) 10-21898 M
Allg.FischwirtschaftZtg., (25/26):10-1
Fischwirtschaftliche Möglichkeiten vor der Westküste Afrikas
(Fisheries possibilities off the western coast of Africa)

ANON. (1963) 10-21899 M
Allg.FischwirtschaftZtg., 15(14):33-4
Fragen zur Echolotung
(Problems of echosounding)

FAO (1963) 10-21900 M
Bull.Fish.Statist., (2):121 p.
Aquatic animal meals and oils 1957-62
Farines et huiles d'animaux aquatiques 1957-62
Harinas y aceites de animales acuáticos 1957-62

An advance release containing tables on the production of and international trade in meals and oils produced from fish, whales and other aquatic animals.

Heimann, R.F.G. (1963) 10-21901 M
Calif.Fish Game, 49(3):152-73
Trawling in the Monterey Bay area, with special reference to catch composition

Describes a one-year study starting in 1960 made in area between Pigeon Point and Point Sur, California. Has special reference to species, amounts and sizes of fish described.

Kamenskii, E.V. & F.P. Muragin (1961) 10-21902 M
Ryb.Khoz., 3:42-50
Novaia serii rybolovnykh traulerov
(A new series of fishing trawlers)

Lestev, A.V. (1961) 10-21903 M
Ryb.Khoz., 4:53-8
Ulovistost' i povrezhdaemost' tralov pri love okunia v Beringovom more
(Liability of Bering Sea perch trawlers to fouling and damage)

Mar'iasin, E.L. & G.N. Finkel' (1961) 10-21904 M
Ryb.Khoz., 4:48-53
Primenie kessonov - poludokov dlia obnazheniia podvodnoi chasti SRT
(Use of caissons for exposing the underwater part of the hull in medium fishing trawlers)

Zasosov, A.V., S.A. Studenetskii & V.L. Bekarevich (1961) 10-21905 M
Ryb.Khoz., 4:59-65
Ispytaniia khlopchatobumazhnykh i pen'kovykh smol'nykh kanatov
(Testing of cotton and hemp tarred cables)

Zil'bershtein, A. (1961) 10-21906 M
Morskoi flot, 4:32-3
Iznosy nekotorykh detalei glavnykh dvigatelei kitobazy SOVETSKAIA UKRAINA
(Wear and tear of propelling machinery components in the whale factory ship SOVETSKAIA UKRAINA)

Dunaevskii, Ia.I. (1961)C 10-21907 M
Moskva, Rybnoe Khoziaistvo, 143 p.
Bor'ba za nepotopliaemost' sudna
(The drive towards making ships unsinkable)

ANON. (1961)C 10-21908 M
Murmansk, SNKh, 14 plates, 1 map
Al'bom khoda promysla v raione o-va N'iufaundlend za 1958-60 gg. po rezul'tatam raboty sudov Murmanskogo tralovogo flota
(Album of the industry's progress in the Newfoundland area in 1958-60 as shown by the work of the Murmansk trawler fleet)

Alekseev & M. Bessarab (1961)C 10-21909 M
Murmansk, Knizh.izd., 21 p.
Opyt raboty mashinoi komandy traulera GRODNO
(An experiment in operating the trawler GRODNO with a mechanical crew)

Wathne, F. (1963) 10-21910 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):5-9
Promising leads in fishing gear development

Describes fishing gear research and development in the Gulf of Mexico devoted mainly to research into the development of improved shrimp harvesting methods.
Pr 61-348me.

Kreutzer, C.O. (1963) 10-21911 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):26-9
Electrofishing with bottom trawls at sea

Discusses the results obtained.
Pr 61-348me.

Ferreira, H. (1963) 10-21912 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):30-5
Mexico looks to the future of her fisheries

Discusses a new program for fisheries development.
Pr 61-348me.

Chapman, W.M. (1963) 10-21913 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):35-44
What is the United States' position in the world's fisheries?

Comments on present status of fishery industry and suggestions for future trends.
Pr 61-348me.

Jensen, E.T. (1963) 10-21914 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):59-65
The shellfish research program of the Public Health Service

Discusses the areas of research interests of the USPHS.
Pr 61-348me.

Oswald, E.O. (1963) 10-21915 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):134-9
Developing an offshore fishery in Jamaica

Results of exploratory and experimental fishing carried out with a 43-foot multipurpose modified Florida shrimp trawler.
Pr 61-348me.

Saenz, W. (1963) 10-21916 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):140-5
Fisheries progress in Colombia

Fishing areas of the Pacific and Atlantic coasts, general appraisal of fisheries.
Pr 61-348me.

Holston, J.A. (1963) 10-21917 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):145-8
A look at the fisheries potential of Panama

A report of the most recent effort to assess the fisheries resources of Panama, with its 1,200 miles of coastline, and to make certain recommendations aimed at realization of the oft-forecast but not yet adequately realized promise of "abundance of fishes".
Pr 61-348me.

Brock, V.E. (1963) 10-21918 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):152-5
Developing tropical Atlantic fisheries through international research

Describes the programme of research of the international cooperative investigations of the tropical Atlantic.
Pr 61-348me.

FAO/UN (1964) 10-21919 M
Rep.FAO/EPTA, (1845):23 p.
Report to the government of India on the fishing harbor project at Vizhinjam. Based on the work of H.A. Selmer, FAO/EPTA fishing harbor engineer

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Referred to also as: FAO Fish.EPTA Rep., (FIt/EPTA 49).

FAO/UN (1964) 10-21920 M
Rep.FAO/EPTA, (1846):95 p.
First report to the government of Thailand on fishing boats. Based on the work of P.S. Hatfield, FAO/EPTA naval architect

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Referred to also as: FAO Fish.EPTA Rep., (FIt/EPTA 48).

FAO/UN (1964) 10-21921 M
Rep.FAO/EPTA, (1917):23 p.
Report to the governments of Argentina, Brazil and Uruguay on development of the marine fisheries biology research program. Based on the work of J.P. Wise, FAO/EPTA marine fisheries biologist

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 55).

FAO/UN (1962) 10-21922 M
Rep.FAO/EPTA, (1573):31 p.
Report to the government of India on exploratory trawling in the Bay of Bengal, based on the work of M.P. Poliakov, FAO/TA master fisherman

Roscher, E. & C. Birkhoff (1963) 10-21923 M
Allg.FischwirtschaftZtg., 15(20/21):12-6
Flottillenfang nun auch durch westeuropäische Fischereien
(Fleet-catch now also in west European fisheries)

Brandt, A.v. (1963) 10-21924 G
Allg.FischwirtschaftZtg., 15(20/21):17-20
Über den Stand der Schwimmtrawl-Fischerei
(On the state of the pelagic-trawl fishery)

Klust, G. (1963) 10-21925 M
Allg.FischwirtschaftZtg., 15(20/21):20-4
Netzmaterial für Schwimmschleppnetze der Hochseefischerei
(Net materials for pelagic trawl deep sea fishery)

Reussner, H. (1963) 10-21926 M
Allg.FischwirtschaftZtg., 15(20/21):24-7
Perlon als Netzmaterial in der Seefischerei
(Perlon as net material in the fishery)

Kietz, B. (1963) 10-21927 M
Allg.FischwirtschaftZtg., 15(20/21):27-30
Die Echolotung für Forschungszwecke
(Echo sounding for research purposes)

Schaefer, M.B. (1965) 10-21928 M
Trans.Amer.Fish.Soc., 94(2):123-8
The potential harvest of the sea

Recent history of the marine fishery harvest, its forecasts, and estimation of potential.

Maeda, H. & S. Minami (1965) 10-21929 M
Bull.Jap.Soc.sci.Fish., 31(5):340-5
Bathymetric difference in the frequency distribution of daily catch by the Danish seiners belonging to a fish-meal fleet in the Bering Sea

Analysis of daily catch records; stratification of the records and fit to the theoretical series; bathymetric difference of the distribution of daily catch in each area.

Suzuki, O. (1965) 10-21930 M
Bull.Jap.Soc.sci.Fish., 31(6):409-13
Behaviour of chain fitted sweep line in pair-trawling

Theoretical and experimental consideration.

Suzuki, O. (1965) 10-21931 M
Bull.Jap.Soc.sci.Fish., 31(6):403-8
Behaviour of sweep line with heavy ball

Theoretical and experimental consideration of the effect of heavy chain, connecting sweep line and tow rope, on the behaviour of the sweep line.

Mori, I. & S. Sasada (1965) 10-21932 M
Bull.Jap.Soc.sci.Fish., 31(4):253-7
(Fishing grounds by the purse-seine in the Yellow Sea). Ni En

Location, depth, water temperature of jack mackerel and mackerel fishing grounds; fishing season; sex and size composition of catch.

Harrison, A.J. (1965) 10-21933 M
Aust.Fish.Newslett., 24(6):9,11,13
Tasmanian scallop fishery and its future

History of fishery, discussion of catch and catch per unit effort of d'Entrecasteaux Channel and ocean beds, and future trends.

ANON. (1965) 10-21934 M
Aust.Fish.Newslett., 24(7):23,26
Tuna spotting from a balloon

Note on possibility of using hot air balloons in the tuna fishing industry.

Nakasai, K. & T. Kawakami (1965) 10-21935 M
Bull.Jap.Soc.sci.Fish., 31(3):277-80
On a simple estimation of working depth of mid-water trawl

Attempt to estimate the working depth by means of a chart which was prepared by a computation based on the supposition that the configuration of the warp in action takes a part of circular arc.

Shiokawa, T. (1965) 10-21936 M
Bull.Jap.Soc.sci.Fish., 31(2):113-7
(Studies on the small coastal gill-net fisheries and their resources. 6. Characteristics of the catch and fishing ground on the stopping-net (egiri-ami) fishery). Ni En

Annual and seasonal changes of the catch from 1958 to 1960 at Tomioka; frequency distribution of the catch; seasonal changes in the number of spp. caught and in the degree of similarity of the fish-community at two fishing grounds; seasonal changes in catch and spp. composition of catch by fishing ground. Co 9-04278.

Shiokawa, T. (1965) 10-21937 M
Bull.Jap.Soc.sci.Fish., 31(2):118-22
(Studies on the small coastal gill-net fisheries and their resources. 7. Ecological study of the fish population caught by the stopping-net (egiri-ami)).
Ni En

Length composition of important spp. at two fishing grounds; frequency distribution of effective catches by spp., and average catches and their coefficients of variation; relation between seasonal changes of catch amount and the spawning or feeding season by spp.
Co 10-21936.

Romanenko, E.V. (1965) 10-21938 M
Akust.Zh.(En Transl.), 10(4):331-43
The underwater echo-location (sonar) capability of dolphins

Kuroki, T., H. Nakayama & K. Ueno (1964) 10-21939 M
Bull.Fac.Fish.Hokkaido, 14(4):215-35
(Studies on the fluorescent color-lamp for attracting of fish. 2. Under-water distribution of color light density and the fish-schools aggregated). Ni En

Experimental use of 7 differently coloured 100W in-put lamps at 8 points in Kagoshima Bay in order to ascertain the kinds of colour light most suitable for attracting fish.

ANON. (1963) 10-21940 M
World Fish., 12(10):8-9
Fishing with Basdic

Basdic is a moveable transducer operated by hand control lever. The transducer moves in all directions and at all angles from the horizontal to the vertical, making it possible to locate fish by moving the lever with one hand while steering with the other.

ANON. (1963) 10-21941 M
World Fish., 12(10):42-3
The French trawl. Further trials from Aberdeen

The object of these trials was to find out whether the French gear was suitable for use by medium powered Aberdeen middle water vessels in deep water and to compare the gear's performance with that of the traditional Granton gear under these circumstances.

Rosen, A. & R.K. Robinson (1963)A 10-21942 M
Publ.Mar.Lab.Univ.Miami, 63-4:32 p.
Summary of Florida commercial marine landings, 1962 and an analysis of the catch and effort of certain species

Farina, L. (1963) 10-21943 M
France Pêche, (78):39-41
Un chalut méditerranéen perfectionné. Résultat des traveaux du Capitaine L. Farina (An improved Mediterranean trawl. Results of Captain L. Farina's experiments)

Describes the net on the basis of new tests made in Tunisia, by the inventor, during 1959.

Percier, A. (1963) 10-21944 M
France Pêche, (78):55-8
Les engins de pêche ... Le chalutage. Les opérations de pêche
(Fishing gear ... Trawling. The fishing operations)

Article in a series of short descriptions of apparatus and instruments. Describes fishing with "parejas".

Woodhead, P. (Comp.)(1963) 10-21945 M
Lab.Leafl.Min.Agric.Fish.Fd., (4):17 p.
Trawling prospects off west Norway

Describes results of fishing and echo surveys by ERNEST HOLT on banks off west Norway. Also information from German and Norwegian sources. Intention is to assist owners and skippers to assess probable catches from these grounds unfamiliar to them.

France. Secrétariat Général de la Marine Marchande. Direction des Pêches Maritimes (1963) 10-21946 M
Statist.Pêches marit., (1958):79 p.

Historical, production, fishing fleet, fishing industry, oyster-culture, mytiliculture, imports and exports.

Delais, M. (1963)A 10-21947 M
Industr.pesq.,Vigo, 37(877):428-9
La explotación mundial de los recursos pesqueros. Sus problemas en las diversas regiones
(The world exploitation of fishery resources. Problems in various regions)

ANON. (1963) 10-21948 M
Pesca y Marina, 15(5):20
La pesca mundial
(World fisheries)

Notes on recent fishery developments in Australia, Brazil, Honduras, Spain, England and U.S.S.R.

ANON. (1963) 10-21949 M
Pol.marit.News, 6(62):20 p.

Section on fishing gives information about operation of factory trawls. 'Fishing news bulletin' gives notes on catches, govt. and industrial activities.

ICNAF (1963) 10-21950 M
Statist.Bull.int.Comm.Northw.Atlant.Fish., 11(1961):90 p.

In three parts: Development of fishery in the convention area over a series of years; Statistics for 1961 of landings of groundfish (round fresh weight) and effort, by species, gears and sub-areas and countries; Corrections and amendments to statistics published in earlier volumes.

Norway. Director of Fisheries 10-21951 M
(1963)
Norg.off.Statist.(12), (116):84 p.

Review of sea-fisheries statistics, followed by tables of catches by spp., type of gear, location, months; name and ill. of spp. caught and types of gear used; map of fishery districts.
Co 9-10393.

ANON. (1963) 10-21952 M
Allg.FischwirtschaftZtg., 15(28):47-50
Die Fischereierträge der Meere als Ausdruck ihrer unterschiedlichen Produktionsleistungen
(The fishery yields of the seas as an expression of their differing productivity)

Digests a previous article by R. Kändler, production per unit surface area, the behaviour of herring towards pelagic townets, and world fishmeal production in January 1963.

Forrester, C.R. & K.S. Ketchen 10-21953 M
(1963)
Bull.Fish.Res.Bd Can., (139):81 p.
A review of the Strait of Georgia trawl fishery

Provides a general review of the Strait of Georgia otter trawl fishery and the results of re-establishing the fishery on various grounds in the years after 1947. The efficacy of current regulations is appraised on the basis of these results.

von Brandt, A. (1963) 10-21954 M
Fette-Seif.-Anstrichmitt., 65:144-6
Methods of fishing and fish quality

Method of fishing has influence on quality of landed fish. Plea for more research on rapid methods of killing fish by electrical means.

Travin, V.I. & L.N. Pechenik 10-21955 M
(1963)AC
In 10-20091:4-54
Soviet fishery investigations and fishing in the northwest Atlantic

En 8-06016.

Magdeburov, N.G. (1961) 10-21956 M
Ryb.Promyshl.dal.Vost., (9):25-7
O konstruktsii okunevogo trala
(Design of a sea perch trawl)

Manner, E.Iu., A.A. Kochura & 10-21957 M
L.I. Kuragin (1961)
Ryb.Promyshl.dal.Vost., (10):35-7
Vooruzhenie i osnastka tralov dlia dobychi mintaia
(Rigging and tackle of pollock trawls)

ANON. (1961) 10-21958 M
Ryb.Promyshl.dal.Vost., (10):39
Traulery novogo tipa; informatsiia iz zarubezhnoi pechati
(A new type of trawler. Information from the foreign press)

Vishnevskii, O.G. (1961) 10-21959 M
Ryb.Promyshl.dal.Vost., (11):32-3
Nash opyt tralovogo lova (SPT-1066 v Beringovom more)
(Our experience of trawl fishing. The 1066 medium fishing trawler in the Bering Sea)

Semenov, I.V. (1961) 10-21960 M
Ryb.Promyshl.dal.Vost., (11):29-31
Sakhalinskie rybaki u beregov Primor'ia. Opyt raboty promyslovykh sudov upravleniia seinernogo flota v primorskoi ekspeditsii
(Sakhalin fishermen on the Primor'e coasts. The work of ships belonging to the Seiner Fleet Board during the Primor'e expedition)

Borisov, S. (1961) 10-21961 M
Ryb.Promyshl.dal.Vost., (1):20-2
Zhizn' i proekty. (Mekhanizatsiia i avtomatizatsiia rybnoi promyshlennosti na o.Shikotan)
(Present and future: mechanization and automation of the Shikotan Island fishing industry)

Drozdov, M.I. (1961) 10-21962 M
Ryb.Promyshl.dal.Vost., (1):3-6
Za dal'neishii pod'em rybnoi promyshlennosti Dal'nego Vostoka i povyshenie ee rentabel'nosti
(For a further rise in the Far Eastern fishing industry and improved profitability)

Moiseev, P.A. (1961) 10-21963 M
Ryb.Promyshl.dal.Vost., (1):7-13
Vsemerno osvaivat' okeanicheskii promysel. Tikhii okean
(Develop utilization of the Pacific resources to the full)

Moiseev, P.A. (1961) 10-21964 M
Ryb.Promyshl.dal.Vost., (2):13-8
Sokrovishche Tikhogo okeana. Nekotorye osobennosti prom.fauny severnoi chasti tikhookeanskogo basseina
(The treasure-house of the Pacific Ocean. Some characteristics of the industrial fauna in the north of the Pacific Basin)

Slonova, I.I. (1961) 10-21965 M
Nauch.-tekh.Biull.PINRO, (2-3):114-6
Rezervy povysheniia effektivnosti raboty refrizheratornykh traulerov s kormovym traleniem pri sushchestvuiushchikh usloviiakh promysla v severo-zapadnoi Atlantike
(Reserves for increasing the efficiency of stern trawling refrigeration trawlers under existing fishing conditions in the north-west Atlantic)

Krasotkina, V.P. (1961) 10-21966 M
Nauch.-tekh.Biull.PINRO, (2-3):117-8
Ekonomicheskaia effektivnost' kompleksnoi mekhanizatsii na SRT
(The economic efficiency of all-round mechanization on short-range fishing trawlers)

Wace, N.M. (1965) 10-21967 M
Nature,Lond., 207(5003):1232-4
Future of the Tristan da Cunha Islands

"Status quo" and prospects of largely preserved biota on and around islands are discussed.

Williams, P.M. (1965) 10-21968 M
J.Fish.Res.Bd Can., 22(5):1107-22
Fatty acids derived from lipids of marine origin

6 species of phytoplanktonic algae, 2 zooplankton samples, and liver extracts from gadoid fishes were analyzed.

Groot, C. & W.L. Wiley (1965) 10-21969 M
J.Fish.Res.Bd Can., 22(4):1025-34
Time-lapse photography of an ASDIC echo-sounder PPI-scope as a technique for recording fish movements during migration

Maevskii, V.M. (1961) 10-21970 M
Nauch.-tekh.Biull.PINRO, (2-3):68-71
Kratkie itogi eksperimental'nogo reisa BMPT NEKRASOV po skorostnomu traleniiu
(A brief account of an experimental high speed trawling cruise of the refrigeration trawler NEKRASOV)

Shubnikov, D.A. & O.N. Shubnikova (1961) 10-21971 M
Priroda,Moskva, (11):108-9
Morskie ptitsy i razvedka sel'di
(Sea birds and herring search)

Nadibaidze, Sh.G. (1961) 10-21972 M
Ryb.Khoz., (12):6-11
Razvivat' rybnuiu promyshlennost' Sakhalina i Kuril'skikh ostrovov
(Develop the fishing industry of Sakhalin and the Kuril Islands)

Prondzyn'skii, B. (1961) 10-21973 M
Ryb.Khoz., (10):77-83
Pol'skie rybolovnye suda. Stat'ia iz Pol'shi
(Polish fishing vessels. An article from Poland)

Mekenitskii, S.Ia. & A.S. Liberman (1961) 10-21974 M
Ryb.Khoz., (8):28-32
Refrizheratornoe sudno BRATSK
(The refrigeration ship BRATSK)

Petukhov, A.G. (1961) 10-21975 M
Ryb.Khoz., (8):38-40
Metod ucheta probega traulera pri vytravlivanii vaerov
(A method of calculating the trawler path when using trawl warps)

Gulland, J.A. (1964) 10-21976 MG
J.Cons., 29(1):61-4
A note on the interim effects on catches of changes in gear selectivity

Adds to previously described method of mesh assessment which permits prediction of the interim catches in the period following a mesh change.

Shentyakov, V.A. (1964)C 10-21977
ETC, TT-65-61371, 11 p.
Electric trawls

En 9-06443.
Available from european Translations Centre, Delft, Netherlands.

USFWS. Bureau of Commercial Fisheries (1964) 10-21978 MF
Circ.U.S.Fish Wildl.Serv., (193):68 p.
Annual report, exploratory fishing and gear research

USFWS (1962)C 10-21979 MF
Washington. U.S. Dept. of the Interior, Fish and Wildlife Service, 7 p.
Fish protein concentrate. Lifeline of the future

USFWS (1962)C 10-21980 MF
Juneau, Alaska, 71 p.
A conservation program for Alaska's commercial fisheries

Houser, A. & A.W. Ghent (1964) 10-21981 MF
Trans.Amer.Fish.Soc., 93(3):233-42
An experimental gill net based on the principle of the latin square

Cross, F.B. (1962) 10-21982 MF
Misc.Publ.Mus.nat.Hist.Univ.Kans., (30):41-4
Collecting and preserving fishes

Collecting, preserving, labeling, field notes, and handling are discussed.
SFA 8(2)5695.

Honda, K. (1965) 10-21983 MF
Bull.Jap.Soc.sci.Fish., 31(1):8-17
(On the fatigue of netting twines against static loads). Ni En

Amilan, Cremona, Tetoron, Polyethylene & Polypropylen twines were subjected to various static loads for about one week, after which observations were made on shrinkage, elongation and breaking strength.

Brandhorst, W. (1965) 10-21984 MF
Ber.Landw.Hamburg, 43(1):148-87
Die chilenische Fischerei und ihre weiteren Entwicklungsaussichten
(Fisheries in Chile and possibilities of further development)

Sysoev, N.P. (1961) 10-21985 MF
Trudy kaliningr.Rybvtuza, 12
Ob'em i assortiment setematerialov, vyrabotannykh seteviazal'noi promyshlennost'iu SSSR v poslevoennye gody
(The volume and range of net materials used by the Soviet net-making industry in the post-war period)

Dmitrovskii, A.A. (1961) 10-21986 MF
Biokhimiia, 26:225-33
Gematinovyi kataliz protsessa okisleniia vitamina A i zhira. (V chastnosti, osveshchaetsia vopros ob okislenii vitamina A v pecheni i drugikh vnutrennikh organakh ryb -)
(Haematin catalysis of the oxidation of vitamin A and fat, with particular reference to the oxidation of vitamin A in fish liver and other internal organs). En

Italy. Istituto Centrale di Statistica (1963) 10-21987 MF
Ann.statist.Pesca, 10(1962):179 p.

Fisheries statistics for 1961, compared with earlier years. Catches, vessels, species, areas, imports and exports.

California. Department of Fish and Game. Marine Resources Operations. Biostatistical Section (1963) 10-21988 MF
Fish.Bull.,Sacramento, (121):1-47
The California marine fish catch for 1961

Summarizes the final 1961 records of fish, mollusks, and crustaceans landed by the commercial fishing fleet in California, and records of fish caught by party-boat anglers or used for live bait. Also records imports from other states or foreign countries that are destined for processing; fish shipped into California to be sold in a fresh state are not recorded.

Pardo, J.A. (1963) 10-21989 MF
Industr.pesq.,Vigo, 37(867):239
La pesca en China continental
(Fisheries in the continental China)

A short review of the recent developments of the fisheries and fisheries research.

Olsen, S. & J. Tjemsland (1963)A 10-21990 MF
Fiskeridir.Skr.Havundersøk., 13(6):88-94
A method of finding an empirical total selection curve for gill nets, describing all means of attachment

ANON. (1961) 10-21991 MF
Ryb.Promishl.litov.SSR, 1(3):31-6
Kapron v sudoremonte
(Use of capron in ship repairing)

Best, E.A. (1963) 10-21992 MF
Calif.Fish Game, 49(3):218
Fish capture

Re 61-10275.

Konnov, A.S. (1961) 10-21993 MF
Trud.kasp.nauch.-issled.Inst.morsk.ryb.Khoz., 16:36-48
Eksplutatsionnye svoistva kombinirovannykh kanatov "Gerkules"
(Performance of "Hercules" combination cables)

FAO/UN (1965) 10-21994 MF
Rep.FAO/EPTA, (1973):52 p.
Report to the government of Nigeria on investigations of the possibility of brackish-water fish culture in the Niger Delta. Based on the work of T.V.R. Pillay, FAO/EPTA inland fisheries biologist (fish culture)

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Reconnaisance survey of saline swamps. Observations on experimental fish farming and oyster culture. Recommendations for further action.
Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 63).

Nitta, T. et al. (1965) 10-21995 MF
Bull.Tokai Fish.Res.Lab., (42):23-37
(Studies on the problems of offensive odors in fish caused by wastes from petroleum industries). Ni En

Investigation of the process giving rise to offensive odors.

Tiews, K. & K. Minnemann (1963)C 10-21996 MF
Colombo, Govt.Press, Session Pap. No. XX-1963, 55 p.
Report on the fishery of Ceylon and the possibilities of development under special consideration of the construction of fishing ports in Galle and Trincomalee

Ben-Yami, M. (Ed.)(1964)C 10-21997 MF
Jerusalem, Ministry for Foreign Affairs, Department for International Cooperation, 106 p.
Report on the fisheries in Ethiopia

Deals with the fishes and other marine animals of the Red Sea, fishing grounds, productivity, fishing craft, fisheries administration and policy. Discusses the Lake Tana resources, fresh fish industry, marketing. Gives recommendation, conclusions and some statistics.

Mendez-Arocha, A. (1963)C 10-21998 MF
Caracas, Fundación la Salle de Ciencias Naturales, 267 p.
La pesca en la Isla de Margarita, Venezuela. Descripción e historia de los métodos de pesca del estado Nueva Esparta
(The fisheries of Margarita Island, Venezuela. Description and history of the fishing methods in the state of Nueva Esparta). En

A descriptive monograph of the fishing gear and methods employed by the local fishermen. First part is a general review of the fisheries of the area in pre-Columbian times followed by a description of fishery products and markets from the sixteenth to nineteenth centuries. Second part deals with the present fisheries, socio-economic conditions prevailing in the fishermen's villages, a classification of fishing gear with a description of each instrument, its construction and operation. Also contains some economic annotations, a description of present-day fishing vessels, the pearl exploitation, and a fishing glossary of over 400 words. Includes several bibliographies.

FAO (1963) 10-21999 MF
Bull.Fish.Statist., (1):192 p.
Landings by species 1937-38, 1947-61
Quantités débarquées par espèces 1937-38, 1947-61
Desembarques por especies 1937-38, 1947-61

Metric ton data arranged under systematic and regional headings for marine and freshwater fish, crustaceans, mulluscs and other invertebrates.

FAO/UN (1963) 10-22000 MF
Rep.FAO/EPTA, (1597):100 p.
Informe al gobierno de Cuba sobre la encuesta acerca de las pesquerías basado en el trabajo del G.C. Salmon, economista de pesca del programa ampliado de asistencia técnica de la FAO
(Report to the government of Cuba on the investigation on fisheries. Based on the work of Dr. G.C. Salmon, FAO/EPTA fisheries economist)

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 22).

Gol'ian, P.S. (1961) 10-22001 MF
Ryb.Promyshl.dal.Vost., (9):28-9
Modernizatsiia vintov i rulei na promyslovykh sudakh
(Modernization of propellers and rudders in fishing vessels)

Ostroumov, A.G. (1961) 10-22002 MF
Ryb.Promyshl.dal.Vost., (11):13
Samolet schitaet rybu. Ispol'zovanie aviatsii dlia ucheta kolichestva tikhookeanskikh lososei v vodoemakh Kamchatki
(Airborne fish counting. Use of aviation in counting Pacific salmon in Kamchatka waters)

Girenko, V.N. (1961) 10-22003 MF
Ryb.Promyshl.dal.Vost., (12):24-8
Sovershenstvovat' tekhniku koshel'kovogo lova
(Improved seine fishing techniques)

Nadibaidze, Sh.G. (1961) 10-22004 MF
Ryb.Promyshl.dal.Vost., (12):7-10
Budushchee rybnoi promyshlennosti Sakhalina
(The future of the Sakhalin fishing industry)

Johnsen, P. (1964) 10-22005 MF
FerskvandsfiskBl., 62(1):4-8
Fisk og fiskeri i Thailand
(Fishes and fisheries in Thailand). Da

LZ 10(3)9176.

Johnsen, P. (1964) 10-22006 MF
FerskvandsfiskBl., 62(2):21-4
Fisk og fiskeri i Thailand
(Fishes and fisheries in Thailand). Da

Co 10-22005.
LZ 10(3)9176.

Johnsen, P. (1964) 10-22007 MF
FerskvandsfiskBl., 62(3):33-7
Fisk og fiskeri i Thailand
(Fishes and fisheries in Thailand). Da

Co 10-22006.
LZ 10(3)9176.

Yajima, S. et al. (1964) 10-22008 MF
Bull.Jap.Soc.sci.Fish., 30(6):486-9
(Experimental use of fish pumps. 4. Stream patterns compared among various siphonage).
Ni En

Experiments carried out to ascertain whether effectiveness of the suction pump is influenced by the stream pattern around the suction nozzle.
Ci 10-23435.

Pillay, T.V.R. & K.K. Ghosh 10-22009 MF
(1964)
Indian J.Fish., 9(1):71-99
The bag net fishery of the Hooghly-Matlah estuarine system (West Bengal)

Troitskii, S.K. & E.P. Teplova 10-22010 MF
(1961)C
In 10-20151
Rybovodno-biologicheskoe obosnovanie rybokhoziaistvennogo ispol'zovaniia limanov Krivogo, Sukhogo, Gnilogo i Krasnokonskikh ozer
(The economic and biological basis of fisheries exploitation of the limans of Lake Krivoe, Sukhoe, Gniloe and Krasnokonskie)

Paton, K.A. (1961) 10-22011 M
Nauch.-tekh.Biull.PINRO, (2-3):42-4
Kratkie itogi raboty sudov perspektivnoi razvedki tralovogo promysla v severo-zapadnykh raionakh Atlantiki
(A brief account of the work of vessels engaged in assessment surveying of trawling in the north-western Atlantic)

Komissarenko, G.P. (1961) 10-22012 MF
Ryb.Khoz., (12):74-7
Snizhenie sebestoimosti dobyvaemoi ryby v rybolovetskikh kolkhozakh
(Reduction of unit costs in fishing collectives)

Prondzyn'skii, B. (1961) 10-22013 MF
Ryb.Khoz., (9):85-91
Rybolovstvo v Kitaiskoi Narodnoi Respublike
(Fishing in the Chinese Peoples Republic)

Mal'kiavichus, S.K. (1961) 10-22014 MF
Ryb.Khoz., (10):31-7
Perspektivy lova ryby elektrotokom
(Possible uses of electric current to catch fish)

Prondzyn'skii, B. (1961) 10-22015 MF
Rybovod.i Rybolov., (4):52-4
Rybnoe khoziaistvo Kitaiskoi Narodnoi Respubliki
(The fishing industry of the Chinese Peoples Republic)

Bangerter, A. (1964) 10-22016 F
Publ.Utah Dep.Fish Game, (64-5):44 p.
Popular Utah fishing waters

Mika, A. (1963)C 10-22017 F
Praha, Orbis, 255 p.
Naše rybníky a přehradní jezera
(Our lakes and reservoirs). Cs

FAO/UN (1962) 10-22018 F
Rep.FAO/EPTA, (1569):10 p.
Rapport au gouvernement du Togo sur les ports de pêche basé sur le travail de C. Ragnar Bjuke, Ingénieur FAO/TA des travaux portuaires
(Report to the government of Togo on fishing harbours based on the work of C. Ragnar Bjuke, FAO/TA harbour engineer)

Report of FAO project carried out under UN Expanded Programme of Technical Assistance. Pilot report on the fishery port Anécho on the shore of Lake Togo. Gives recommendations for further action.
Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 21).

Volodkin, A.V. (1961) 10-22019 F
Sb.Rab.Ikhtiol.Gidrobiol.Alma-Ata, (3):124-45
Otsenka syr'evoi bazy i osnovnye napravleniia razvitiia rybolovstva Aral'skogo moria na perspektivu
(Appraisal of the raw material base and principal long-term development trends of the Aral fisheries)

Drachinskii, S.B. (1961)C 10-22020 F
In 10-20767
Znachenie malykh vodoemov v narodnom khoziaistve UkrSSR i perspektivy ikh dal'neishego stroitel'stva
(The significance of small lakes and ponds in the economy of the Ukrainian Soviet Republic and perspectives for their further construction)

Tazhibaev, L.E. (1961)C 10-22021 F
In 10-20767
Znachenie malykh vodoemov v narodnom khoziaistve Kazakhskoi SSR i perspektivy ikh dal'neishego stroitel'stva
(The significance of small lakes and ponds in the economy of the Kazakh Soviet Republic and perspective for their further construction)

Vedeniapin, V.E. (1961)C 10-22022 F
In 10-20767
Vodoemy stepnoi i lesostepnoi zon SSSR i meropriiatiia po povysheniiu poleznogo ispol'zovaniia vody v nikh
(Ponds and lakes of the steppe and forest-steppe zones of the USSR and measures to improve the utilization of their water)

Kuznetsov, I.A. (1961)C 10-22023 F
In 10-20767
Kompleksnoe ispol'zovanie malykh vodoemov
(Multi-purpose utilization of small lakes and ponds)

L'vovich, M.I. (1961)C 10-22024 F
In 10-20767
Vliianie khoziaistvennoi deiatel'nosti na pitanie prudov i malykh vodoemov
(The effect of economic activity on the alimentation of ponds and small lakes)

Mel'nikov, G.B. & A.M. Chaplina (1961)C 10-22025 F
In 10-20767
Gidrobiologicheskaia i rybokhoziaistvennaia kharakteristika malykh rek severnogo Priazov'ia v sviazi s sovremennym ikh sostoianiem
(A hydrobiological and fishery description of the small rivers of the northern Azov region in relation to their present state)

Moorthy, K.K. (1963)B 10-22026 F
Far east.econ.Rev., 40(7):375-7
Fish and water in Cambodia

Oliff, W.D. (1963) 10-22027 F
Hydrobiologia, 21(3/4):355-79
Hydrobiological studies on the Tugela River system. 3. The Buffalo River

Data on catchment, flow, zonation, physicochemical condition, pollution, siltation, fauna and flora.
Co 61-08852.

Boccardy, J.A. & E.L. Cooper (1963) 10-22028 F
Trans.Amer.Fish.Soc., 92(3):307-10
The use of rotenone and electro-fishing in surveying small streams

Efficiency of electrofishing and rotenone sampling in estimating density of brook trout (S. fontinalis) were compared in seven small streams.

Sanches, J.G. (1963) 10-22029 F
Bol.Pesca, Lisboa, 15(79):37-46
O Lago Niassa e o seu aproveitamento piscícola
(The fisheries of Lake Niassa and its management). Pr

Lists fishermens' establishments, gear and boats used on the Moçambique shore, and suggests a program of research for Engraulicypris sardella.

Harrison, A.C. et al. (1963)C 10-22030 F
Johannesburg, Thos.Nelson, 210 p.
Fresh-water fish and fishing in Africa

Deals with the Cape Province, Basutoland, the Transvaal, Orange Free State, Natal, the Rhodesias and Nyasaland, Tanganyika and Kenya. Includes native and biological names, as well as the common name of all fish discussed. Information on flies, lures, baits and tackle, purchase of licences, addresses of angling clubs, hotels, fish recognition.

Bradlow, F.R. (1963) 10-22031 F
Piscator, 17(57):9-10
Fresh-water fish and fishing in Africa

Re 10-22030.

Harrison, A.C. (1963) 10-22032 F
Piscator, 17(57):25-8
The Olifants/Doorn River system and its fishes

Describes native and introduced fauna of this South African (Western Cape) stream.

Dubrova, G.B. (1961)C 10-22033 F
Moskva, Gostorgizdat, 88 p.
Primenenie antibiotikov dlia sokhraneniia pishchevykh produktov (v chastnosti, rybnykh)
(The use of antibiotics to preserve food products, with particular reference to fish products)

Volodkin, A.V. (1961)C 10-22034 F
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:5-20
Biologicheskie osnovy razvitiia rybnogo khoziaistva Aral'skogo moria
(Biological basis for the development of the Aral Sea fishing industry)

FAO/UN (1963) 10-22035 F
Rep.FAO/EPTA, (1761):47 p.
Report to the government of the Federation of Rhodesia and Nyasaland on fisheries development possibilities in Nyasaland. Based on the work of M. Aref, FAO/EPTA fish processing technologist, W. Steen, FAO/EPTA fishing gear technician, and G.R. Valran, FAO/EPTA fisheries economist

Report on FAO project carried out under UN Expanded Program of Technical Assistance on fisheries development possibilities in Nyasaland. Contains an account of the lakes, their fish resources, structure of the fishing industry including fishing, handling and processing and marketing. Gives recommendations for development. Referred to also as: FAO Fish.EPTA Rep., (FIe/EPTA 42).

FAO/UN (1962) 10-22036 F
Rep.FAO/EPTA, (1499):37 p.
Supplement to report to the government of India on the improvement of fishing techniques in inland reservoirs, based on the work of S.B. Gulbadamov, FAO/TA inland fisheries expert

Kariakin, A. (1961) 10-22037 F
Rybovod.i Rybolov., (3):9
Bol'she vnimaniia vnutrennim vodoemam Primorskogo kraia
(Pay more attention to the inland waters of the Primorskii territory)

Klimenko, R. (1961) 10-22038 F
Rybovod.i Rybolov., (2):8-10
Obespechim oblast' (Cheliabinskaia) ryboi
(Supply the Cheliabinsk province with fish)

Liakhnovich, V. (1961) 10-22039 F
Rybovod.i Rybolov., (2):5-7
Ispol'zuem blagopriiatnye usloviia: nedostatochnoe ispol'zovanie rek, ozer i prudov v Belorusskoi SSR dlia razvedeniia ryb
(Let us make use of our advantages! The inadequate utilization of rivers, lakes and ponds in Belorussia for fish breeding)

Zygmuntowa, J. (1963) 10-22040 F
Acta hydrobiol., Kraków, 5(4):295-313
Skład chemiczny mięsa karpi dwu populacji z różną gęstością obsad
(Chemical composition of flesh of carp in two populations of different densities).
Pl En

Fish from two populations were analyzed for dry mass, ash, raw protein, and raw fat. Results indicated it is probable that origin (genetic factor) can influence both the chemical composition of the flesh of carp (dry mass protein, fat) and the mean individual growth.

Anakhov, S. (1961) 10-22041 F
Rybovod.i Rybolov., (2):20
Fartukoobraznaia set' dlia oblova nespusknykh, zailennykh i zakoriazhennykh vodoemov
(An apron-shaped net for fishing undrained, silted waters and waters containing tree stumps)

White, G.F. (1963) 10-22042 F
Sci.Amer., 208(4):49-59
The Mekong River plan

Describes plan for lower river development of the Mekong River basin (Cambodia, Laos, Thailand, Vietnam). Fisheries are involved.

Jewell, P.A. (1963) 10-22043 F
Oryx, 7(2/3):77-87
Wild life research in east and central Africa

Incl. note on counting of hippopotamus at Lake Edward, Uganda, and possible cropping of their population, and marketing.

Cuinat, R. (1963) 10-22044 F
Bull.franç.Piscic., 35(208):85-95
Un nouvel appareil de pêche électrique utilisable dans presque toutes les eaux continentales
(A new electro-fishing apparatus usable in most inland waters). En

Description of apparatus.

Altara, J. (1963) 10-22045 F
Bull.franç.Piscic., 35(208):108-15
Symposium européen sur les maladies des poissons et l'inspection des produits de la pêche fluviale et maritime, Turin, 20-24 Octobre 1962
(European symposium on fish diseases and inspection of marine and freshwater fishery products, Turin, 20-24 October 1962

Contains list of contributions and approved resolutions.
Re 61-303me.

Filatova, L.P. (1961) 10-22046 F
Ryb.Promyshl.dal.Vost., (9):13
Ob organizatsii prudovykh khoziaistv v Primor'e
(Organization of pond fisheries in the Primor'e)

Neverov, A. (1961) 10-22047 F
Rybovod.i Rybolov., (4):5
Oblov nespusknykh vodoemov
(Fishing undrained waters)

Grib, V. (1961) 10-22048 F
Rybovod.i Rybolov., (6):25-6
Izmel'chitel' kormov "Belarus-I"
(The Belarus-I food pulverizer)

Doshenkin, V. (1961) 10-22049 F
Rybovod.i Rybolov., (4):18
Novyi ryboulovitel'
(A new fish trap)

Evenkin, A. (1961) 10-22050 F
Rybovod.i Rybolov., (5):21-2
200 tysiach dokhoda ot rybovodstva. Sovkhoz "Maiskii", Kuibyshevskaia oblast'
(200-thousandfold return from fish breeding at the "Maiskii" state farm, Kuibyshev Province)

Mikhalchenkov, G. (1961) 10-22051 F
Rybovod.i Rybolov., (6):18-9
Novye khoziaistva, rybkhozy, v Moskovskoi oblasti
(New fisheries in the Moscow Province)

Gol'dman, I.Ia. & Iu.I. Zaidiner (1961) 10-22052 F
Ryb.Khoz., (12):78-82
K voprosu o perevode rybovodnykh predpriiatii na khozraschet
(A note on the changeover to cost accounting in fish-rearing enterprises)

Kal'nibolotskii, A.A. (1961) 10-22053 F
Ryb.Khoz., (6):73-6
Ekonomicheskaia effektivnost' kapital'nykh vlozhenii v rybnoe khoziaistvo vnutrennikh vodoemov
(The economic efficiency of capital investment in fisheries in inland waters)

Denisov, L.I. (1961) 10-22054 F
Ryb.Khoz., (6):77-83
Orudiia i tekhnika lova ryby na vnutrennikh vodoemakh Kitaiskoi Narodnoi Respubliki
(Fishing tackle and technique in the inland waters of the Chinese Peoples Republic)

Gordon, L. (1961) 10-22055 F
Rybovod.i Rybolov., (5):6-9
Rentabel'nost' prudovogo rybovodstva
(The profitability of pond fish farming)

Griffiths, J.W.R. & N.S. Nagaraja (1963)c 10-22056 G
In 10-20026, Pap.(18):16 p.
Visual detection in intensity-modulated displays

Issued also as: J.Br.Instn Radio Engrs, 25(3):225-40.

AQUATIC STOCKS

Hayashi, S. (1962) 10-22057 M
Bull.Tokai Fish.Res.Lab., (9):193-209
Growth of the Japanese anchovy. 2.
Vertebral counts of the juveniles and
adults

Genovese, S. & V. Alonzio (1961) 10-22058 M
Atti Soc.pelor., 7(3/4):300-4
Sul contenuto stomacale di tonni (Thunnus
thynnus (L.) catturati nello stretto di
Messina ed in alcune tonnare della
Sicilia e della Calabria
(The stomach contents of tunas (Thunnus
thynnus (L.) caught in the Strait of
Messina and in some tuna fishing grounds
of Sicily and Calabria). It

Nakai, Z. & S. Hayashi (1962) 10-22059 M
Bull.Tokai Fish.Res.Lab., (9):97-107
Growth of the Japanese sardine. 2. On a
dominant year-class in the Pacific waters
off the northeastern Honshû during July
1951 through January 1953

Hynd, J.S. & D. Vaux (1963) 10-22060 M
Rep.Mar.Lab.C.S.I.R.O., (37):105 p.
Report of a survey for tuna in Western
Australian waters

Report of prospecting for tuna carried
out in waters off the south-western
corner of Australia, from July 31, 1961,
to July 17, 1962.

Usami, S. (1962) 10-22061 M
Bull.Tokai Fish.Res.Lab., (9):173-7
Age of the Japanese anchovy, Engraulis
japonica (Houttuyn), in the Tokai Region
and its vicinity, estimated on the basis
of the analysis of length composition

Nakai, Z. & S. Hayashi (1962) 10-22062 M
Bull.Tokai Fish.Res.Lab., (9):85-95
Growth of the Japanese sardine. 1. A
note on the growth rate, 1949 through
1951

ANON. (1961) 10-22063 M
Ryb.Promyshl.dal.Vost., (4):7-12
Bol'she lovit' paltusa
(Increased halibut catches)

Nakai, Z. & S. Usami (1962) 10-22064 M
Bull.Tokai Fish.Res.Lab., (9):151-71
Seasonal fluctuation in the sexual
maturity of the Japanese sardine

Hayashi, S. & K. Kondô (1962) 10-22065 M
Bull.Tokai Fish.Res.Lab., (9):179-192
Growth of the Japanese anchovy. 1.
Seasonal fluctuation in the condition
coefficient

Nakai, Z. & S. Hayashi (1962) 10-22066 M
Bull.Tokai Fish.Res.Lab., (9):61-84
On the age composition of the Japanese
sardine catch, 1949 through 1951, with
an attempt of population analysis

Menzel, R.W. & H.W. Sims (1962) 10-22067 M
Proc.nat.Shellfish.Ass., 53:103-9
Experimental farming of hard clams,
Mercenaria mercenaria, in Florida

Menzel, R.W. (1962) 10-22068 M
Proc.nat.Shellfish.Ass., 53:111-9
Seasonal growth of northern and southern
quahogs, Mercenaria mercenaria and
M. campechiensis, and their hybrids in
Florida

Williamson, G.R. (1963) 10-22069 M
J.Fish.Res.Bd Can., 20(4):1085-6
Common porpoise from the stomach of a
Greenland shark

Dhulkhed, M.H. (1962) 10-22070 M
Indian J.Fish., 9(1):37-47
Observations on the food and feeding habits
of the Indian oil sardine, Sardinella
longiceps Val.

Some preliminary quantitative and
qualitative observations made on the
food of S. longiceps at Mangalore.

Nakai, Z. (1962) 10-22071 M
Bull.Tokai Fish.Res.Lab., (9):109-50
Studies of influences of environmental
factors upon fertilization and development
of the Japanese sardine eggs - with some
reference to the number of their ova

Olsen, A.M. (1962) 10-22072 M
Pap.roy.Soc.Tasm., (96):95-6
Allothunnus fallai Serventy - a new record for Australian waters

Nakai, Z. (1962) 10-22073 M
Bull.Tokai Fish.Res.Lab., (9):25 p.
Preliminary studies on fluctuation in the Japanese sardine stock - mainly for the prewar period

Stewart, J.E. & H.E. Power (1963) 10-22074 M
J.Fish.Res.Bd Can., 20(4):1081-4
A sea water aquarium for marine animal experiments

Tibbo, S.N. & R.A. McKenzie (1963) 10-22075 M
J.Fish.Res.Bd Can., 20(4):1101-2
An occurrence of dusky sharks, Carcharhinus obscurus, (Lesueur) 1818, in the northwest Atlantic

Williams, H.H. (1964) 10-22076 M
Parasitology, 54(4):737-48
Some new and little known cestodes from Australian elasmobranchs with a brief discussion on their possible use in problems of host taxonomy

SFA 10(2)7449.

Trara Genoino, I., V. Schuiten & E.F.J. Van Bruggen (1963) 10-22077 M
Ric.sci.(2-B), 3(4):435-42
Electron microscopy of a gelification process in Octopus vulgaris hemolymph.
Fr De It

It is shown that the gelification process is an association of subunits to large aggregates, sometimes indicating a network structure of the gel.

Wells, V. (1965) 10-22078 M
Aust.Fish.Newslett., 24(6):23-6
How northern pearl farms are progressing

Notes on history and status of the industry, future trends, and estimated value of Australian production.

Roy, J.M. (1964)C 10-22079 M
Québec, Poissons du Québec, Album No. 7
Le hareng
(The herring)

Renzoni, A. (1961) 10-22080 M
Mem.Dir.Pesca, Roma, (4):43 p.
Basi biologiche e prospettive di potenziamento della mitilicoltura nel golfo di Napoli
(Biological basis and the possible improvement of the mussel-culture in the Gulf of Naples). It En

Anatomy, biology and physiology of the mussel and the ecological and hydrobiological factors related with its culture in the Neapolitan environment. Practical problems of their culture. Fertility of waters and problems of pollution.

Smidt, E. (1963) 10-22081 M
Grønland, 231-40
Experimental fisheries in Umanak district

Mainly halibut.

Moraitopoulou-Kassimati, E. (1963) 10-22082 M
Prakt.Hell.hydrobiol.Inst., 8(1):56 p.
Research on the biology of Scomber japonicus colias of the Aegean Sea

Günther, A.C.L.G. (1963)C 10-22083 M
New York, Hafner Pub.Co., 3pts.
Report on the shore fishes, deep-sea fishes, pelagic fishes, collected by H.M.S. CHALLENGER

Scott, W.B. (1965) 10-22084 M
J.Fish.Res.Bd Can., 22(5):1303-4
A record of the hatchetfish, Polyipnus asteroides Schultz, from the Canadian Atlantic region

Richards, S.W. (1965) 10-22085 M
J.Fish.Res.Bd Can., 22(5):1313-7
Description of the postlarvae of the sand lance (Ammodytes) from the east coast of North America

McErlean, A.J. & C. Lavett Smith (1964) 10-22086 M
Trans.Amer.Fish.Soc., 93(3):301-2
The age of sexual succession in the protogynous hermaphrodite Mycteroperca microlepis

Dolotov, J.S. (1962) 10-22087 M
Okeanologiia, 2(2):278-83
(On the development of coastal shoals in the course of the most recent transgression observed in the area of the Azov and Black Sea basin). Ru

Alperin, I.M. (1965) 10-22088 M
N.Y.Fish Game J., 12(1):116
Algal epibiosis and parasitism of a blue-back herring

Barraclough, W.E. & T.H. Butler 10-22089 M
(1965)
J.Fish.Res.Bd Can., 22(5):1305-7
First record of the dusky sculpin (Icelinus burchami) in British Columbia waters

Denton, E.J., F.R.S. Nicol & 10-22090 M
J.A.C. Nicol (1965)
J.Mar.biol.Ass.U.K., 45(3):705-9
Polarization of light reflected from the silvery exterior of the bleak, Alburnus alburnus

Denton, E.J., F.R.S. Nicol & 10-22091 M
J.A.C. Nicol (1965)
J.Mar.biol.Ass.U.K., 45(3):711-38
Reflexion of light by external surfaces of the herring, Clupea harengus

Farley, C.A. (1965) 10-22092 M
J.Invert.Path., 7(2):144-7
Acid-fast staining of haplosporidian spores in relation to oyster pathology

Feng, S.Y. (1965) 10-22093 M
Biol.Bull., Woods Hole, 129(1):95-105
Pinocytosis of proteins by oyster leycocytes

Isaacson, P.A. (1964) 10-22094 M
Trans.Amer.Fish.Soc., 93(3):302-3
Length-weight relationship of the white croaker

Sergeant, D.E. (1965) 10-22095 M
Polar Rec., 12(80):541-51
Exploitation and conservation of harp and hood seals

Deals with Pagophilus groenlandicus and Cystophora cristata (Pinnipedia) in the Arctic waters.

Kooyman, G.L. (1965) 10-22096 M
Polar Rec., 12(79):391-4
Techniques used in measuring diving capacities of Weddell seal

Concerns the diving habits of Leptonychotes weddelli (Pinnipedia, Mammalia).

Rosenblatt, R.H. (1963) 10-22097 M
Syst.Ass.Publ., (5):171-80
Some aspects of speciation in marine shore fishes

Issued also as: Contr.Scripps Instn Oceanogr., (1557), 1964.

Rosenblatt, R.H. & B.W. Walker 10-22098 M
(1963)
Occ.Pap.Calif.Acad.Sci., (44):97-106
The marine shore-fishes of the Galápagos Islands

Issued also as: Contr.Scripps Instn Oceanogr., (1558), 1964.

Acher, R. et al. (1962) 10-22099 M
Chem.Abstr., 56, 5231f
Hormones of the fish neurohypophysis: isolation of a vasotocin from Gadus luscus

CFA 17(3):23.

Suyama, M., J. Koike & 10-22100 M
K. Suzuki (1962)
Chem.Abstr., 57
Studies on glycolysis and formation of ammonia in muscle and blood of elasmobranchs

CFA 17(3):25.

Roeskenbleck, H. & W. Niesel 10-22101 M
(1963)
Chem.Abstr., 58, 3712c
Oxygen secretion into the swim bladder of deepwater fish

CFA 17(3):27.

Marakov, S.V. (1963) 10-22102 M
Priroda,Moskva, 52(11):79-83
Pamiatnik priroda ili promyslovyi vid? Sud'ba Komandorskogo kalana
(A natural monument or a commercial species? The future of the Commander Islands sea otters)

Considers the origin and status of the stock of Enhydra lustris in subarctic areas of N. Pacific.

Marakov, S.V. (W.E. Ricker, Transl.)(1965) 10-22103 M
Transl.Ser.Fish.Res.Bd Can., (543):6 p.
A natural monument or a commercial species? The future of the Commander Islands sea otters

En 10-22102.

Berzin, A.A., E.A. Tikhomirov & V.I. Troinin (1963) 10-22104 M
Priroda, Moskva, 52(8):73-5
Ischezla li Stellerova korova?
(Was Steller's sea cow exterminated?)

The fate of Rhytina stelleri in North Pacific Ocean.

Berzin, A.A., E.A. Tikhomirov & V.I. Troinin (W.E. Ricker, Transl.) (1965) 10-22105 M
Transl.Ser.Fish.Res.Bd Can., (548):4 p.
Was Steller's sea cow exterminated?

En 10-22104.

Ivarsson, G. (ANON. Transl.) (1963)C 10-22106 M
Aberdeen, mimeo, 9 p.
Some information about seals and their detrimental effect on fishing on the east coast of Sweden

En 10-12507.

Mackintosh, N.J. & J. Mackintosh (1963) 10-22107 M
Quart.J.exp.Psychol., 15(4):236-42
Reversal learning in Octopus vulgaris Lamarck with and without irrelevant cues

PA 39(1)1147.

Culley, M.B. (1965) 10-22108 M
Fish.News int., 4(2):183-8
Pilchard fisheries: A study

Compares the pilchard industries, distribution, catches, prospects, of Clupea pilchardus of Cornwall and Sardinops ocellata of South and South West Africa.

Lochner, J.P.A. & E.D. Smith (1964) 10-22109 M
Br.Commun.Electron., 11(5):324-5
Electronics in shark research

IA 19(7)3974.

Muntz, W.R.A. (1963) 10-22110 M
Quart.J.exp.Psychol., 15(2):116-24
Intraretinal transfer and the function of the optic lobes in octopus

PA 38(1)485.

Svetovidov, A.N. (L.Penny, Transl.)(n.d.1965) 10-22111 M
Transl.Bur.comm.Fish.ichthyol.Lab., (31):15 p.
The species composition of the Blenniidae of the Black Sea

En 58-1696.

Gorbunova, N.N. & N.V. Parin (1963)B 10-22112 M
Trud.Inst.Okeanol., 62:62-7
(Development of the flying fish Cheilopogon (Ptenichthys) unicolor (Cuv. et Val.)(Pisces, Exocoetidae)). Ru

Gorbunova, N.N. & N.V. Parin (J.H. Slep, Transl.)(n.d. 1965) 10-22113 M
Transl.Bur.comm.Fish.ichthyol.Lab., (32):8 p.
Development of the flying fish Cheilopogon (Ptenichthys) unicolor (Cuv. et Val.)(Pisces, Exocoetidae)

En 10-22112.

Andriashev, A.P. (L. Penny, Transl.)(n.d.1965) 10-22114 M
Transl.Bur.comm.Fish.ichthyol.Lab., (30):21 p.
On the species composition and distribution of sculpins of the genus Triglops Reihn. in the northern seas

Brief revision of the northern sculpin spp. inhabiting the North Atlantic Ocean and the Okhotsk and Bering Seas.
En A.P. Andriashev, 1949.

Andriashev, A.P. (M. Grey & E. Roden, Transl.)(n.d.1965) 10-22115 M
Transl.Bur.comm.Fish.ichthyol.Lab., (29):100 p.
Bathypelagic fishes of the Antarctic. 1. Family Myctophidae

Contains data on morphological characteristics, comparative remarks, and distribution.
En A.P. Andriashev, 1962.

Aasen, O. (1964) 10-22116 M
Fisk.og Hav., (4):6-14
Norske pigghaundersøkelser i 1963
(Norwegian dog shark investigations). No
En

Study of migration and size of stock of Squalus acanthias in north European waters based on Norwegian tagging activities.

King, J.K. & D.G. Nicholls 10-22117 M
(1963)
Nature, Lond., 200(4910):1021-2
Immobilization of elephant seals using succinylcholine chloride

Mirounga leonina.

Corfman, P.A. & R.M. Richart 10-22118 M
(1964)
Nature,Lond., 204(4957):502-3
Chromosomes of the ring seal

Phoca hispida.

Roest, A.I. (1964) 10-22119 M
J.Mammal., 45(1):129-36
Physeter and *Mesoplodon* strandings on the central Californian coast

Author's observations. First intact female specimen of *Mesoplodon stejnegeri*.

Eberhardt, R.L. & K.S. Norris 10-22120 M
(1964)
J.Mammal., 45(1):88-95
Observations of newborn Pacific gray whales on Mexican calving grounds

Eschrichtius glaucus, January and February 1962.

Pequignot, J. & A. Serfaty 10-22121 M
(1965)
Experientia, 21(4):227-9
Influence de la salinité sur la respiration tissulaire chez les Téléostéens
(Influence of salinity on the tissue respiration in teleosts)

Gulland, J.A. (1964) 10-22122 M
Norsk Hvalfangst-tid., 53(2):42-5
Virkningen av forskjellige kvotestørrelser
Effect of various patterns of quotas. *No*

Report on effect on stocks of Antarctic fin whale.

Solianik, G.A. (1964) 10-22123 M
Inform.Biull.sov.antarkt.Exped.1955-58, (47):54-9
Nekotoryie svedeniia o tiuleniakh Antarktiki
(Some information on the seals of the Antarctic

Data collected on Soviet whaling voyages, 1957-64.

McCann, C. (1964) 10-22124 M
Rec.Dom.Mus.,Wellington, 4(23):311-6
The female reproductive organs of Layard's beaked-whale *Mesoplodon layardi*

Detailed description of organs from whale stranded New Zealand, 1960.

Birman, I.B. (1964) 10-22125 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6):346-9
Vertical migrations and vertical distribution of salmon in the sea

Oncorhynchus nerka, *O. keta*, *O. kisutch* and *O. gorbuscha* were investigated in the Bering Sea near Kamchatka.
En 9-11378.

Burdak, V.D. (1964) 10-22126 M
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 156(1-6)
The degree of intraspecific serological differences between fish in the Black and Azov Seas

Trachurus mediterraneus ponticus, *Engraulis encrasicholus* and *Scophthalmus maeoticus* were investigated.
En 9-11333.

Davis, N.S. *et al.* (1963)B 10-22127 M
J.Bact., 86:294-8
Radiation-resistant, pigmented coccus isolated from haddock tissue

Joseph, E.B., J.J. Norcross & 10-22128 M
W.H. Massmann (1964)
Chesapeake Sci., 5(1-2):67-71
Spawning of the cobia, *Rachycentron canadum*, in the Chesapeake Bay area, with observations of juvenile specimens

Schwartz, F.J. (1964) 10-22129 M
Chesapeake Sci., 5(4):172-93
Fishes of Isle of Wight and Assawoman Bays near Ocean City, Maryland

The occurrence, distribution and ecological data of 104 spp. of fish belonging to 54 families and 87 genera are reported.

Miller, R.V. (1964) 10-22130 M
Chesapeake Sci., 5(4):194-9
The morphology and function of the pharyngeal organs in the clupeid, *Dorosoma petenense* (Gunther)

Davis, J. & E.B. Joseph (1964) 10-22131 M
Chesapeake Sci., 5(4):212
Southern record of *Sebastes marinus*, ocean perch

Borodatov, V.A. & V.I. Travin (1964)C 10-22132 M
ETC, TT-65-61284, 11 p.
The principal stages in the development of Soviet investigations on the redfish in the North Atlantic

En Borodatov, V.A. & V.I. Travin, 1960.
Available from European Translations Centre, Delft, Netherlands.

Kazanova, I.I. & T.A. Pertseva-Ostroumova (1964)C 10-22133 M
ETC, TT-65-61510, 25 p.
Studies on the reproduction and development of fish in the northern seas

En 61-07379.
Available from European Translations Centre, Delft, Netherlands.

Lyamin, K.A. (1964)C 10-22134 M
ETC, TT-65-61509, 9 p.
The distribution and migrations of summer-spawning herring in the Norwegian Sea

En K.A. Lyamin, 1960.
Available from European Translations Centre, Delft, Netherlands.

Shutova-Korzh, I.V. (1964)C 10-22135 M
ETC, TT-65-61508, 11 p.
Features of the distribution, growth and maturation of herring; certain year-classes in the Barents Sea

En 61-07389.
Available from European Translations Centre, Delft, Netherlands.

Yudanov, I.G. (1964)C 10-22136 M
ETC, TT-65-61507, 19 p.
Soviet investigations concerning spawning grounds of the Atlanto-Scandian herring

En I.G. Iudanov, 1960.
Available from European Trnaslations Centre, Delft, Netherlands.

Friedland, J.G. *et al.* (1964)C 10-22137 M
9022.56 (53)
Distribution of herring of the Atlanto-Scandian stock

En J.G. Friedland *et al.*, 1960.
In 61-12973. Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Marti, Yu.Yu. *et al.* (1964)C 10-22138 M
9022.56 (51)
Estimation of the state of resources of the Atlanto-Scandian herring

En 61-07393.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Kazanova, I.I. & T.A. Pertseva-Ostroumova (1964)C 10-22139 M
9022.56 (36)
Studies of the reproduction and development of fish in the northern seas

En Kazanova, I.I. & T.A. Pertseva-Ostroumova, 1960.
In 61-12973. Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Polianski, I.I. & I.V. Kulemina (1963) 10-22140 M
Vestn.leningr.Univ.(Biol.), 18(15):12-21
(Parasite fauna of young *Gadus morhua* in the Barents Sea). *Ru* En

HA 33(4)2596.

Sołtyńska, M. (1964) 10-22141 M
Acta parasit.polon., 12(1/12):13-26
Fish tapeworms in Puck Bay (South Baltic).
Pl

HA 34(1)112.

Gibson, R.N. (1965) 10-22142 M
Nature,Lond., 207(4996):544-5
Rhythmic activity in littoral fish

Activity patterns of *Blennius pholis*, *Carcinus maenas*, *Acanthocottus bubalis* and *Ciliata mustela* from the Irish Sea were observed.

Matty, A.J. (1965) 10-22143 M
Nature,Lond., 207(4996):533-4
Hypophysectomy and blood sugar regulation in a cyclostome, *Myxine glutinosa*

Fi

Caldwell, M.C. & D.K. Caldwell 10-22144 M
(1965)
Nature,Lond., 207(4995):434-5
Individualized whistle contours in bottlenosed dolphins (Tursiops truncatus)

Tinsley, J.B. (1964)C 10-22145 M
Gainesville, University of Florida Press,
216 p.
The sailfish, swashbuckler of the open seas

FAO/UN (1964) 10-22146 M
Rep.FAO/EPTA, (1977):11 p.
FAO/IPFC training centre on mackerel and tuna research, Cronulla, N.S.W., Australia, 2-27 November 1964

Report on FAO project carried out under UN Expanded Programme of Technical Assistance, training centre. Conclusions on statistics, measuring methods and boards, assessments of stocks. Gives recommendations for further action or development.
Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 62).

FAO. Fisheries Division (1965) 10-22147 M
Norsk Hvalfangst-tid., 54(8):101-10
Report on the effects on the whale stocks of pelagic operations in the Antarctic during the 1964/65 season, and on the present status of those stocks

Text of a report by L. Boerema, J.A. Gulland and S.J. Holt on assessment of the stocks presented to the special meeting of the International Whaling Commission. Deals with fin, sei and blue whales.
Do 62-098me.

Rice, D.W. (1965) 10-22148 M
Norsk Hvalfangst-tid., 54(8):114-5
Bryde's whale in the Gulf of Mexico

Ill. note on a specimen of Balaenoptera edeni stranded in Florida, 2.4.1965. Short summary of known distribution.

Christensen, J.M. (1964) 10-22149 M
J.Cons., 29(1):73-81
Burning of otoliths, a technique for age determination of soles and other fish

Under this technique, very distinct black and white rings appear at the surface of the fracture which correspond to true annual rings. 178 burned otoliths were age determined by five different persons who obtained 97% agreement.

Longhurst, A.R. (1964) 10-22150 M
J.Cons., 29(1):93-114
Bionomics of the Sciaenidae of tropical West Africa

Studies length frequency, distribution, growth parameters, reproduction, mortality and feeding of Pseudotolithus typus and P. senegalensis.

Parin, N.V. (Israel Program for 10-22151 M
Scientific Transl., Transl.)(1963)
Engl.Transl.Fish.Lit.misc.Ser., (516):84 p.
The flying fishes (Exocoetidae) of the northwest Pacific

En 62-04374.

ANON. (1963) 10-22152 M
World Fish., 12(7):88-95
Ignorance of fish behaviour key problem at congress

No 61-423me.

Harden Jones, F.R. (1963) 10-22153 M
World Fish., 12(7):120-4
Fish and water currents (1)

Klunzinger, K.B. (1964)C 10-22154 M
New York, Stechert-Hafner Service Agency,
pag.var.
Synopsis der Fische des Rothen Meeres
(Synopsis of the fishes of the Red Sea)

Okiyama, M. (1965) 10-22155 M
Bull.Japan Sea Fish.Res.Lab., (14):31-41
(On the feeding habit of the common squid, Todarodes pacificus Steenstrup, in the off-shore region of the Japan Sea). Ni
En

Discussion of the feeding ecology of this population, based on analysis of stomach contents of 1,016 specimens collected from the Japan Sea, and comparison with results of work previously undertaken.

Mio, S. (1965) 10-22156 M
Bull.Japan Sea Fish.Res.Lab., (14):1-18
(The determination of the age and growth of Sillago sihama Forskal). Ni En

Study of otoliths of specimens collected off Fukuoka, Kyushu, during the period 1956-61, to determine age and growth.

Yamaguti, S. (1965) 10-22157 M
Pacif.Sci., 19(1):55-95
New monogenetic trematodes from Hawaiian fishes

Reports 18 new genera, with diagnoses and ill. descriptions. Issued also as: Contr. Dep.Microbiol.Univ.Hawaii.

Chan, W.L. (1965) 10-22158 M
Jap.J.Ichthyol., 12(3/6):104-18
A systematic revision of the Indo-Pacific clupeid fishes of the genus Sardinella (family Clupeidae)

Redefinition of Sardinella and presentation of a systematic revision of the Indo-Pacific spp. of this genus.

Ueno, T. (1965) 10-22159 M
Jap.J.Ichthyol., 12(3/6):99-103
On two rare pelagic fishes, Luvarus imperialis and Rachycentron canadum, recently captured at Yoichi, Hokkaido, Japan

Counts and measurements; brief description.

Tominaga, Y. (1965) 10-22160 M
Jap.J.Ichthyol., 12(3/6):33-56
The internal morphology and systematic position of Leptobrama mulleri, formerly included in the family Pempheridae

Ill. morphological description, diagnosis, comparison with other forms, and assignment to new family Leptobramidae.

Doi, T., S. Ohsumi & T. Nemoto (1965) 10-22161 M
Bull.Tokai Fish.Res.Lab., (41):1-22
On diagnosis of the fin whale population in the Antarctic and optimum level of catching. Ni

Estimate of sustainable yield, maximum sustainable yield and optimum level of catch based on information regarding the reproductive mechanism.

Dotu, Y., S. Arima & S. Mito (1965) 10-22162 M
Bull.Fac.Fish.Nagasaki, (18):41-50
(The biology of the eleotrid fishes, Eviota abax and Eviota zonura). Ni
En

Ill. description of developmental stages.

Abe, T. (1965) 10-22163 M
Jap.J.Ichthyol., 12(3/6):64-9
Notes on Etmopterus unicolor. Ni

Counts and measurements; ill. description; notes on teeth and lateral line. Issued also as: Contr.Tokai Fish.Res.Lab., (B422).

Abe, T., R. Maruno & K. Kawaguchi (1965) 10-22164 M
Jap.J.Ichthyol., 12(3/6):57-63
Description of a new cetomimid fish from Suruga Bay

Counts and measurements; ill. description of general appearance and colouration; distinctive characters and relationships of Cetomimus compunctus n. sp. Issued also as: Contr.Ocean Res.Inst. Tokyo, (45).

Yokoya, Y. & K. Shibata (1965) 10-22165 M
Bull.Fac.Fish.Nagasaki, (18):1-6
On some shrimps from the Philippine Sea

Ill. morphological description of Sergestes grandipes n. sp., S. formosensis n. sp., S. latirostris n. sp. and HOPLOPASIPHAEA philippinensis n. gen., n. sp.

Whitley, G.P. (1965) 10-22166 M
Aust.nat.Hist., 15(2):44-6
The whale shark in New South Wales

Record of sightings; measurements taken from specimen stranded on the N.S.W. coast.

ANON. (1965) 10-22167 M
Fish.Newslett.Aust., 24(5):25
Effects of underwater explosions on fish

Evidence regarding effects upon fish and other marine life, damage to habitat and pollution of fishing grounds.

ANON. (1965) 10-22168 M
Fish.Newslett.Aust., 24(5):9
Seaward movement of black bream

Note on tagging programme undertaken to trace movements of fish.

ANON. (1965) 10-22169 M
Fish.Newslett.Aust., 24(5):5-7
Gulf prawn stocks - next step to test commercial value

Note on attempt to assess the commercial potential of prawn stocks found in the Gulf of Carpentaria during a two-year survey.

Kuwatani, Y. (1965) 10-22170 M
Bull.Jap.Soc.sci.Fish., 31(3):174-86
On the anatomy and function of stomach of Japanese pearl oyster, Pinctada martensii (Dunker)

Investigation of the internal features and mechanisms, selection, digestion, absorption to the digestive diverticula and excretion relating to the stomach; structural variation of the stomachs between P. martensii and P. vulgaris are described, and the common structural features of these spp. in comparison with the other families of Pseudolamellibranchia are confirmed.

Kitamikado, M. et al. (1965) 10-22171 M
Bull.Jap.Soc.sci.Fish., 31(2):133-7
(Digestibility of dietary components in young yellow tail Seriola quinqueradiata T. & S.). Ni En

Determination of the digestibility of protein in diets containing various levels of starch, using chromium oxide as an indicator of digestibility.

Watanabe, K. (1965) 10-22172 M
Bull.Japan Sea Fish.Res.Lab., (14):81-3
(A few trials using the correlation method to analyse catches of the amber fish, Seriola quinqueradiata Temminck et Schlegel, in the Japan Sea). Ni

Okiyama, M. (1965) 10-22173 M
Bull.Japan Sea Fish.Res.Lab., (14):85-9
(A case of pugheadedness in the rock fish, Sebastes oblongus Gunther). Ni En

Ill. description of deformed specimen; discussion of causal factors; summary of known records of pugheaded fishes from Japan.

Ito, K. (1965) 10-22174 M
Bull.Japan Sea Fish.Res.Lab., (14):91-3
(On two abnormal forms of zuwai-gani, Chionoecetes opilio elongatus O. Fabricus). Ni

Sawasaki, M., S. Torii & K. Nakamura (1965) 10-22175 M
Sci.Rep.Hokkaido Fish.Exp.Sta., (3):51-6
(Studies on cultural grounds of laver in the flat reef of Moheji. Relation between nutrient constituents in the sea water and quality of laver). Ni En

Experiment carried out in connection with yellow discoloration and fading of laver which occurs early in March.

Kondo, H. (1965) 10-22176 M
Sci.Rep.Hokkaido Fish.Exp.Sta., (3):1-19
(On the conditions of herring (Clupea pallasii Cuvier et Valenciennes) in waters around Hokkaido and Sakhalin during recent years). Ni En

Discussion of catch data of herring on the coasts of Hokkaido and south Sakhalin from 1921 to 1950 and catch, age and body length data from 1951 to 1963; comparison of this data with data from some separate areas in Hokkaido and south Sakhalin.

Berry, F.H. (1964) 10-22177 M
Pacif.Sci., 18(4):373-7
A hypomaxillary bone in Harengula (Pisces: Clupeidae)

Discussion of the hypomaxillary bone as a taxonomic character of use in separating Harengula from other closely related genera; viz. Lile, Sardinella and Clupalosa.

Ishida, R. (1964) 10-22178 M
Bull.Freshw.Fish.Res.Lab., 14(1):29-36
(On the size of ayu, Plecoglossus altivelis T. & S., caught by tomozuri). Ni En

In order to gain information on assertion by fishermen that larger fish are caught by tomozuri (rod, line, live bait) than other methods, size data are analysed and aquarium experiments are carried out to ascertain relation between size and strength of territoriality.

Nose, T. (1964) 10-22179 M
Bull.Freshw.Fish.Res.Lab., 14(1):23-8
(Protein digestibility of several test diets in cray and prawn fish). Ni En

Estimation of protein digestibility of several diets, using Procambarus clarkii and Penaeus japonicus with chromium oxide as indicator.

Asano, M. (1964) 10-22180 M
Tohoku J.agric.Res., 15(1):113-30
Toxic lipids in the roe of a blenny,
Stichaeus grigorjewi Herzenstein

Attempt to develop satisfactory purification method and to clarify the chemical, physical and pharmacological properties of the lipid fractions.

Watkins, D., S.J. Cooperstein 10-22181 M
& A. Lazarow (1964)
Amer.J.Physiol., 207(2):436-40
Effect of alloxan on permeability of
pancreatic islet tissue *in vitro*

The possibility of alloxan changing the permeability of the β-cell membrane was tested on slices of Langerhans islet tissue of the toadfish (*Opsanus tau*). Alloxan and other reagents were added to slices incubated with mannitol-C^{14} and the degree of isotope penetration measured.

Thomas, M.M. & K.R. Kartha 10-22182 M
(1964)
J.Mar.biol.Ass.India, 6(1):174-5
On the catch of a juvenile whale shark
Rhincodon typus Smith from Malabar coast

Measurements.

George, M.J. & K.C. George 10-22183 M
(1964)
J.Mar.biol.Ass.India, 6(1):171-2
On the occurrence of the caridean prawn
Thalassocaris lucida (Dana) in the stomach
of *Neothunnus macropterus* (Temminck &
Schlegel) from the Arabian Sea

Note on distinguishing characteristics and distribution of *T. lucida*.

Ramamurthy, S. (1964) 10-22184 M
J.Mar.biol.Ass.India, 6(1):170-1
On a new record of *Metapenaeus stebbingi*
Nobili, in Indian waters

Note on geographical distribution; brief description and ill. note on structure of male petasma.

Subrahmanyam, C.B. (1964) 10-22185 M
J.Mar.biol.Ass.India, 6(1):142-6
Eggs and early development of a carangid
from Madras

Ill. account of development in the laboratory, up to the fifth day, of eggs provisionally referred to *Caranx hippos*.

Bensam, P. (1964) 10-22186 M
J.Mar.biol.Ass.India, 6(1):135-41
On certain gonadial abnormalities met with
in the Indian oil sardine *Sardinella
longiceps* Val.

Five instances of vestigial condition, fusion and atrophy are recorded and described.

Durve, V.S. (1964)A 10-22187 M
J.Mar.biol.Ass.India, 6(1):128-35
On the percentage edibility and the index
of condition of the oyster *Crassostrea
gryphoides* (Schlotheim)

Sebastian, M.J. (1964) 10-22188 M
J.Mar.biol.Ass.India, 6(1):94-7
Taeniacanthus dentatus sp. nov., a copepod
parasite of the fish *Bembrops caudimaculata*
Steindachner

Ill. morphological description.

Rao, C.A.P. (1964) 10-22189 M
J.Mar.biol.Ass.India, 6(1):89-93
Stellicomes pambanensis, a new cyclopoid
parasitic on starfish

Ill. description of male and female; discussion of identifying characteristics and affinities with known members of the family Stellicomitidae.

Bennet, P.S. (1964) 10-22190 M
J.Mar.biol.Ass.India, 6(1):84-8
On *Bomolocus sardinella* sp. nov. (Copepoda,
Cyclopoida) parasitic on *Sardinella albella*

Ill. description of male and female; notes on incidence and intensity of infection are given.

Pillai, N.K. (1964) 10-22191 M
J.Mar.biol.Ass.India, 6(1):61-83
A miscellaneous collection of copepods parasitic on south Indian fishes

Brief ill. description of 16 spp., Caligus hamuri, Hatschekia sphyraeni and Chondracanthus trilobatus being new.

Nishimura, S. & M. Nishiwaki (1964) 10-22192 M
Publ.Seto Mar.biol.Lab., 12(4):323-34
Records of the beaked whale Mesoplodon from the Japan Sea

Date and place of capture; measurements and external characters; taxonomic discussion.
Issued also as: Contr.Seto Mar.biol.Lab., (428).

Araga, C. (1964) 10-22193 M
Publ.Seto Mar.biol.Lab., 12(4):307-21
Soldierfishes from Tanabe Bay and adjacent regions (Berycida: Holocentridae)

Ill. description of external features of 8 spp. belonging to 4 genera as a first step in revision of this group.
Issued also as: Contr.Seto Mar.biol.Lab., (427).

Nishimura, S. (1964) 10-22194 M
Publ.Seto Mar.biol.Lab., 12(4):295-305
Preliminary note on the so-called "louse-bit" saury in the Japan Sea

Rate of infectation by Caligus in relation to season, area and water temperature; notes on attachment of Caligus to saury.
Issued also as: Contr.Seto Mar.biol.Lab., (426).

Yamada, U. (1964) 10-22195 M
Bull.Seikai Fish.Res.Lab., (32):135-57
(On the distribution and migration of the ribbon fish, Trichiurus lepturus Linné, in the East China and the Yellow Seas by fish-size). Ni En

Results of an investigation of distribution and migration of T. lepturus, by size, on the basis of the statistical data of fish catches by size for the two-boat type trawl fishery in the East China and the Yellow Seas.

Aoyama, T. & T. Kitajima (1964) 10-22196 M
Bull.Seikai Fish.Res.Lab., (32):125-34
(Varying-duration - trawl experiments).
Ni En

Experiments carried out in the East China Sea by varying-duration method for the purpose of the analysis of the relation between hauling duration and catch.

Otaki, H. (1964) 10-22197 M
Bull.Seikai Fish.Res.Lab., (32):59-123
(Studies on fishery biology of the sharp toothed eel, Muraenesox cinereus (Forskal), in the East China Sea and the Yellow Sea).
Ni En

Fluctuation in catch; biological information; analysis of population dynamics and regulation of fishery.

Misu, H. (1964) 10-22198 M
Bull.Seikai Fish.Res.Lab., (32):1-57
(Fisheries biology on the ribbon fish (Trichiurus lepturus Linné) in the East China and the Yellow Seas). Ni En

Age determination and growth from otolith readings; spawning migrations; comparison between morphometrical characters in different populations; feeding habits; population assessment; formulation of plans for management of the fishery in order to obtain maximum sustainable yield.

Inoue, M. (1964) 10-22199 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1179-91
(On the resistance of the raft for pearl culture against tidal current and wind).
Ni

Hasuo, M. (1964) 10-22200 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1170-8
(On the variation of shell form with growth between local pearl oyster in Omura Bay and those transplanted from Oita and Ehime Prefecture). Ni

Kuwatani, Y. (1964) 10-22201 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1135-42
(An experiment on the feeding of pearl oyster, Pinctada martensii (Dunker) with artificial diet). Ni En

Composition of soybean, polished rice and fish-meal diets used; measurement of growth.

Watkins, D., S.J. Cooperstein & A. Lazarow (1964) 10-22202 M
Amer.J.Physiol., 207(2):431-5
Alloxan distribution in vitro between cells and extracellular fluid

The distribution of alloxan in toadfish (Opsanus tau) tissues in vitro was studied under conditions favouring decreased alloxan decomposition. Alloxan-C^{14}, mannitol-H^3 and urea-C^{14} were added to blood and Langerhans islet slices and the amount of radioactivity of plasma, packed cells and islet slices measured.

Cooperstein, S.J. & A. Lazarow (1964) 10-22203 M
Amer.J.Physiol., 207(2):423-30
Distribution of alloxan-C^{14} in islet and other tissues of the toadfish (Opsanus tau)

The experiments were concerned with the selective destruction of the pancreatic β-cells by alloxan. Alloxan-C^{14} and alloxan-H^3 were injected into the toadfish (Opsanus tau) and the isotope concentrations in various tissues determined.

Nakagome, J. et al. (1965)A 10-22204 M
Bull.Jap.Soc.sci.Fish., 31(2):97-100
(Age composition of Atlantic tunas related with distribution of water temperature and distance from land. 1. Yellowfin tuna).
Ni En

Nakagome, J. et al. (1965)A 10-22205 M
Bull.Jap.Soc.sci.Fish., 31(2):101-4
(Age composition of Atlantic tunas related with distribution of water temperature and distance from land. 2. Albacore). Ni En

Co 10-22204.

Rusanova, M.N. (1961) 10-22206 M
Zool.Zh., 40:794-5
Mezhduvedomstvennoe soveshchanie po probleme "Teoreticheskie osnovy ratsional'nogo ispol'zovaniia, vosproizvodstva i povysheniia rybnykh i nerybnykh resursov Belogo moria i vnutrennikh vodoemov Karelii'. Petrozavodsk, 1960, 8-10 dekabria
(International conference on the theoretical basis of rational utilization, replenishment and improvement of fish and other populations of the White Sea and Karelian inland waters, held at Petrozavodsk, 8-10 December 1960)

Palenichko, Z.G. (1961) 10-22207 M
Vest.Akad.Nauk SSSR, (3):124-5
Resursy Belogo moria i vnutrennikh vodoemov Karelii (Mezhduvedomstvennoe soveshchanie po probleme "Teoreticheskie osnovy ratsional'nogo ispol'zovaniia, vosproizvodstva i povysheniia rybnykh i nerybnykh resursov Belogo moria i vnutrennikh vodoemov Karelii". Petrozavodsk, 1960, 8-10 dekabria)
(Resources of the White Sea and inland waters of Karelia. International conference on the theoretical basis of rational utilization, replenishment and improvement of fish and other populations of the White Sea and Karelian inland waters, held at Petrozavodsk 8-10 December 1960)

Gurevich, S.G. & Z.A. Pavlova (1961) 10-22208 M
Nauch.-tekh.Biull.NIIMRP VNIRO, (9/10):25-33
K opredeleniiu momentov inertsii i tsentrov tiazhesti ryby
(Determination of the moments of inertia and centres of gravity of fish)

McCartney, B.S., A.R. Stubbs & M.J. Tucker (1965) 10-22209 M
Nature, Lond., 207(4992):39-40
Low-frequency target strengths of pilchard shoals and the hypothesis of swimbladder resonance

Echo-sounding experiments on Clupea pilchardus off the coast of Cornwall.

Fahlén, G. (1965) 10-22210 M
Nature, Lond., 207(4992):94-5
Histology of the posterior chamber of the swimbladder of Argentina

The resorbent function was investigated. Argentina silus & A. sphyraena from Norwegian waters were collected for experiments.

Hara, T. & R. Hara (1965) 10-22211 M
Nature, Lond., 206(4991):1331-4
New photosensitive pigment found in the retina of the squid Ommastrephes

Schusterman, R.J., W.N. Nellogg & C.E. Rice (1965) 10-22212 M
Science, 147(3665):1594-6
Underwater visual discrimination by the California sea lion

Describes experiments on Zalophus californianus.

Smith, J.L.B. (1963) 10-22213 M
Ann.Mag.nat.Hist., 6(70):621-4
A new apogonid fish from deeper water of the Gulf of Guinea

Sp. nov. Paroncheilus stauchi is described.

Bridges, C.D.B. (1965) 10-22214 M
Nature, Lond., 206(4989):1161-2
Visual pigments in a fish exposed to different light-environments

The poeciliid Belonesox belizanus collected in offshore waters of Florida was investigated.

Bogorov, V.G. (1965) 10-22215 M
Dokl.Akad.Nauk, SSSR, 162(5):1181-3
Kolichestvennaia otsenka zhivotnogo i rastitel'nogo naseleniia okeana (Quantitatives estimation of the animal and vegetable population of the ocean)

Mihailović, L.J. et al. (1965) 10-22216 M
Nature, Lond., 206(4987):904-5
Effects of anti-lobster nerve antibody on membrane potentials of the giant axon of Palinurus vulgaris

Pitt, T.K. (1963) 10-22217 M
J.Fish.Res.Bd Can., 20(5):1159-81
Vertebral numbers of American plaice, Hippoglossoides platessoides (Fabricius), in the northwest Atlantic

Hodder, V.M. (1963) 10-22218 M
J.Fish.Res.Bd Can., 20(6):1465-87
Fecundity of Grand Bank haddock

Investigations on Melanogrammus aeglefinus stock in northwest Atlantic.

Sergeant, D.E. (1963) 10-22219 M
J.Fish.Res.Bd Can., 20(6):1489-1504
Minke whales, Balaenoptera acutorostrata Lacépède, of the western North Atlantic

Ress, E.I.S. (1963) 10-22220 M
J.Fish.Res.Bd Can., 20(6):1513-7
The batfish, Dibranchus atlanticus Peters, on the Canadian Atlantic slopes

Kravitz, E.A. & D.D. Potter (1965) 10-22221 M
J.Neurochem., 12(4):323-9
A further study of the distribution of γ-aminobutyric acid between excitatory and inhibitory axons of the lobster

Sutherland, N.S., N.J. Mackintosh & J. Mackintosh (1965) 10-22222 M
J.gen.Psychol., 106:1-11
Shape and size discrimination in octopus: the effects of pretraining along different dimensions

Rout, W.R., D.T.S. Lin & K.C. Huang (1965) 10-22223 M
Proc.Soc.exp.Biol.,N.Y., 118(4):933-70
Intestinal transport of amino acids and glucose in flounder fish

Muntz, W.R.A. (1965) 10-22224 M
J.comp.physiol.Psychol., 59(1):144-7
Stimulus generalization and the "units hypothesis" in Octopus

Bulger, R.E. (1965) 10-22225 M
607
Anat.Rec., 151(4):589-609
Electron microscopy of the stratified
epithelium lining the excretory canal of
the dogfish rectal gland

Williams, H.H. (1965) 10-22226 M
Brit.med.J., (5440):964-7
Roundworms in fishes and so-called
"herring-worm disease"

Idler, D.R. & H.C. Freeman 10-22227 M
(1965)
Canad.J.Biochem.Physiol., 43(5):620-3
A demonstration of an impaired hormone
metabolism in moribund Atlantic cod
(*Gadus morhua* L.)

Harris, A.J. (1965) 10-22228 M
J.Physiol., 177(1):21-2P
Eye movements of the dogfish, *Squalus*
acanthias L.

Young, J.Z. (1965) 10-22229 M
Phil.Trans.(B), 249(755):27-67
The buccal nervous system of *Octopus* -
The centres for tough discrimination in
Octopus

Hama, T. *et al.* (1965) 10-22230 M
Proc.Japan Acad., 41(4):305-10
The relation between the pterins and
chromatophores in the medaka, *Oryzias*
latipes

Okada, Y.K. (1965) 10-22231 M
Proc.Japan Acad., 41(4):300-5
Bisexuality in sparid fishes. 2. Sex
segregation in *Mylio macrocephalus*

Co 10-22232.

Okada, Y.K. (1965) 10-22232 M
Proc.Japan Acad., 41(4):294-300
Bisexuality in sparid fishes. 1. Origin of
bisexual gonads in *Mylio macrocephalus*

Georgatsos, J.G. (1965) 10-22233 M
Biochim.biophys.Acta, 95(4):544-50
Specificity of an alkaline deoxyribonuclease
from crab testes (BBA 95167)

Wells, M.J. (1965) 10-22234 M
J.exp.Biol., 42(2):233-57
The vertical lobe and touch learning in
the octopus

Bush, B.M.H. (1965) 10-22235 M
J.exp.Biol., 42(2):285-99
Proprioception by the coxo-basal
chordotonal organ, cb, in the legs of the
crab, *Carcinus maenas*

David, P.M. (1965) 10-22236 M
Endeavour, 24(92):95-101
The surface fauna of the ocean

Lund, R.D. (1965) 10-22237 M
Quart.J.micr.Sci., 106:115-7
The staining of degeneration in the
nervous system of the octopus by modified
silver methods

Cheng, T.C. & R.W. Burton (1965) 10-22238 M
J.Parasit., 51(2):296-7
The American oyster and clam as experimental
intermediate hosts of *Angiostrongylus*
cantonensis

Yagi, K. & H.A. Bern (1963) 10-22239 M
Science, 142(3591):491-3
Electrophysiologic indications of the
osmoregulatory role of the teleost
urophycis

Yamamoto, T. *et al.* (1965) 10-22240 M
J.Cell Biol., 25(2):345-61
Fine structure of the octopus retina. 1

Brown, H.F. (1965) 10-22241 M
J.exp.Biol., 41(4):723-35
Electrophysiological investigations of
the heart of *Squilla mantis*. 3. The mode
of action of pericardial organ extract on
the heart

House, C.R. & K. Green (1965) 10-22242 M
J.exp.Biol., 42(1):177
Ion and water transport in isolated
intestine of the marine teleost, *Cottus*
scorpius

Jarrison, F.M. & A.W. Martin (1965) 10-22243 M
J.exp.Biol., 42(1):71-99
Excretion in the cephalopod, Octopus dolfleini

Abbott, B.C. & I. Parnas (1965) 10-22244 M
J.gen.Physiol., 48(5):919-33
Electrical and mechanical responses in deep abdominal extensor muscles of crayfish and lobster

Lukianenko, V.I. (1965) 10-22245 M
Zh.obshch.Biol., 26(3):372-5
(Comparative characteristics of humoral factors of natural immunity in dolphins Phocaena phocaena). Ru

Telford, M. (1965) 10-22246 M
Canad.J.Zool., 43(3):503-9
Carbohydrates in the blood of the lobster, Homarus americanus

Becker, C.D. & M. Katz (1965) 10-22247 M
J.Protozool., 12(2):189-93
Babesiosoma tetragonis n. sp. (Sporozoa: Dactylosomidae) from a California teleost

Groninger, H.S.,Jr. (1964) 10-22248 M
Arch.Biochem., 108(2):175-83
Partial purification and some properties of a proteinase from albacore (Germo alalunga) muscle

Summers, G.W. & C.K. Claycomb (1965) 10-22249 M
Nature, Lond., 206(4988):1046-7
Amino-acid composition of collegan isolated from the oral cavity of the sperm whale

Simpson, T.H., R.S. Wright & S.V. Hunt (1964) 10-22250 M
J.Endocrin., 31(1):29-39
Steroid biosynthesis in the testis of dogfish (Squalus acanthias)

Götting, K.J. (1965) 10-22251 M
Z.Zellforsch., 66(3):405-15
Die Feinstruktur der Hüllschichten reifender Oocyten von Agonus cataphractus L. (Teleostei, Agonidae)
(The microstructure of the covering layers of maturing oocytes in Agonus cataphractus L.)

Mizumoto, S. (1964) 10-22252 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1143-55
(Studies on the disease of shells of the pearl oyster, Pinctada martensii (Dunker), 1. On shells, the condition of the damages and the extirpation technique). Ni

Suzuki, T. (1965) 10-22253 M
Bull.Japan Sea Fish.Res.Lab., (14):19-29
(Ecological studies on the jack mackerel, Trachurus japonicus (Temminck et Schlegel). 1. On the feeding habits). Ni En

Analysis of data from field observations and feeding experiments to determine feeding habits.

Cooper, M.J. (1964) 10-22254 M
Pacif.Sci., 18(4):411-40
Ciguatera and other marine poisoning in the Gilbert Islands

Review of history and location of ciguatera poisoning; identification of spp. considered toxic, and some opinions on development, cause and spread of toxicity.
Issued also as: Contr.Hawaii Mar.Lab., (214).

Blumer, M. & D.W. Thomas (1965) 10-22255 M
Science, 148(3668):370-1
Zamene, isomeric carbon-19 monoolefins from marine zooplankton, fishes, and mammals

Combescot, C., J. Demaret & F. Reynouard-Brault (1964) 10-22256 M
C.R.Séanc.Soc.Biol., 158(12):2427-54
Castration of water turtle Emys leprosa Schw.

Laverack, M.S. (1964) 10-22257 M
Comp.Biochem.Physiol., 13(4):301-23
The antennular sense organs of Panulirus argus

Ronald, K. *et al.* (1964) 10-22258 M
Canad.J.Zool., 42(6):1127-33
Blood properties of aquatic vertebrates.
1. Total blood volume of the Atlantic cod,
Gadus morhua L.

Hebb, C.O. & D. Morris (1964) 10-22259 M
J.Physiol., 175(1):20
Acetylcholine synthesis in the electric
organ of *Torpedo* (T)

Tucker, M.J. (1964) 10-22260 M
Nature, Lond., 204(4953):6-7
Animal noises in the sea

Andreeva, I.B. (1964) 10-22261 M
Akust.Zh., 10(1):17-21
(Scattering of sound by air bladders of
fish in deep sound-scattering ocean
layers). *Ru*

Hart, J.S. & H.D. Fisher (1964) 10-22262 M
Fed.Proc., 23(6):1207-15
The question of adaptations to polar
environments in marine mammals

Kurian, C.V. (1964) 10-22263 M
Curr.Sci., 33(7):216-7
On the occurrence of the deep-water prawn
Penaeopsis rectacutus (Spenc. Bate) off
the Kerala coast

Jones, S. & M. Kumaran (1964) 10-22264 M
Curr.Sci., 33(5):145
On the occurrence of fishes of the family
Schindleriidae in the Indian Ocean

Fine, J.M., G.A. Boffa & 10-22265 M
A. Drilhon (1964)
C.R.Séanc.Soc.Biol., 158(11):2007-21
Electrophoretic and immunologic study of
serum proteins in the sea lamprey
(*Petromyzoon marinus* L.)

Coraboeuf, E. *et al.* (1964) 10-22266 M
C.R.Séanc.Soc.Biol., 158(6):~~1260-98~~ 1298-1302
Role of potassium and of some other agents
in the evolution of cardiac tetanus in
the dogfish

Simpson, T.H., R.S. Wright & 10-22267 M
J. Renfrew (1964)
J.Endocrin., 31(1):11-2
Steroid biosynthesis in the semen of
dogfish (*Squalus acanthias*)

Smith, C.L. (1963) 10-22268 M
Quart.Rev.Biol., 38(1):95
Cottidae (Pisces)

Re 62-02619.

Mansueti, R.J. (1963) 10-22269 M
Quart.Rev.Biol., 38(1):95-6
Review of the parrotfishes

Re 59-0398.

Mansueti, R.J. (1963) 10-22270 M
Quart.Rev.Biol., 38(1):97
A guide book to the marine fishes of Rhode
Island

Re 60-9189.

ANON. (1963) 10-22271 M
France Pêche, (74):49-50
Fiche technique ... La langoustine.
L'araignée
(Fishery cards on *Nephrops norvegicus*
and *Maia squinado*)

Detachable cards, ill., giving biology,
habitat, fishing, catch, commercial use
of *Nephrops norvegicus* and *Maia squinado*.

Brown, S.G. (1962) 10-22272 M
Discovery Rep., 33:1-54
The movements of fin and blue whales within
the Antarctic zone

WR (109):35.

Nishiwaki, M., S. Ohsumi & 10-22273 M
T. Kasuya (1961)
Norsk Hvalfangst-tid., 50(12):499-506
Age characteristics in the sperm whale
mandible

WR (109):36.

Harmon, B.G. (1962) 10-22274 M
Trans.N.Amer.Wildl.Conf., (27):132-8
Molluscs as food of lesser scaup along the
Louisiana coast

WR (109):54.

ANON. (1963) 10-22275 M
Allg.FischwirtschaftZtg., 15(16):13
Neue Schollenuntersuchungen in der Nordsee
(New investigations on plaice in the North Sea)

ANON. (1963) 10-22276 M
Allg.FischwirtschaftZtg., 15(16):13-4
Die Nahrungsaufnahme der Heringslarven
(The feeding of herring larvae)

Graefe, G. (1963) 10-22277 M
Naturwissenschaften, 50(11):410
Die Anemonen-Fisch-Symbiose und ihre Grundlage - nach Freilanduntersuchungen bei Eilat/Rotes Meer
(The anemone-fish symbiosis and its basis - outdoor investigations near Eilat/Red Sea)

Shippen, H. & T. Miyahara 10-22278 M
(1963)
Rep.int.N.Pacif.Fish.Comm., 1961:124-7
King crab studies

Best, E.A. (1963) 10-22279 M
Fish Bull.,Sacramento, (121):48-56
Catch localities for dover sole *Microstomus pacificus* (Lockington), landed in California, 1950 through 1959

U.K. Herring Industry Board 10-22280 M
(1963)
Rep.Herring Ind.Bd Scot., 28(1962):50 p.

Composition of the board. The fishings. Commercial and statutory arrangements between or concerning the board, the catchers and the shore-based sections of the industry. Marketing. Production, research and development. The fleet. Publicity and public relations. Accounts. The outlook for the herring production industry. Summary of directions having seasonal effect which were issued during the year 1962. Minimum prices rule. Quick-freezing and cold storage rules.
FAO:sjh

Wahlert, G. & H. Wahlert 10-22281 M
(1963)
Veröff.Inst.Meeresforsch., 8(2):151-62
Beobachtungen an Fischschwärmen
(Observations of fish shoals)

Szabo, T. (1963) 10-22282 M
Naturwissenschaften, 50(12):447
Elektrorezeptoren Tätigkeit des elektrischen organs der Mormyriden
(Electroreceptors and activity of the electric organ in mormyrids)

Parin, N.V. (L.Penny, Transl.) 10-22283 M
(1963)C
USFWS Ichthyological Laboratory, mimeo, 7 p.
A new species of flying fish from the western part of the Pacific Ocean *Cypselurus vitiazi* Parin, sp. n. (Pisces, Exocoetidae)

En 58-5454.

Ronald, K. (1963) 10-22284 M
Canad.J.Zool., 41(1):15-21
The metazoan parasites of the Heterosomata of the Gulf of the St. Lawrence 7. Nematoda and Acanthocephala

The nematode and acanthocephalan fauna of six species of flat fish from the Gulf of St. Lawrence is described.

Roberts, L. (1963) 10-22285 M
Canad.J.Zool., 41(1):115-24
Ergasilus nerkae n.sp. (Copepoda: Cyclopoida) from British Columbia with a discussion of the copepods of the *E. caeruleus* group

A new sp. of parasitic copepod occurring in western N. America is descirbed, *E. nerkae* n.sp. An emendation of *E. turgidus* and a redescription of *E. auritus* are presented. A total of 4 spp. resembling *E. caeruleus*, *E. turgidus*, *E. confusus*, *E. auritus* and *E. nerkae*) have so far been described, and characters to distinguish the spp. of this group are given.

Myers, B.J. (1963) 10-22286 M
Canad.J.Zool., 41(1):147-51
The migration of Anisakis-type larvae in experimental animals

Roithmayr, C.M. & R.A. Waller 10-22287 M
(1963)A
Trans.Amer.Fish.Soc., 92(3):301-2
Seasonal occurrence of *Brevoortia patronus* in the northern Gulf of Mexico

Lander, R.H. (1963) 10-22288 M
Trans.Amer.Fish.Soc., 92(3):305-7
Girth-length relationships in sockeye and chum salmon

Gives girth-length relationships for sockeye (O.nerka) and chum salmon (O. keta) ranging from 414-684 mm in fork length. Regressions are of individual girths and individual lengths.

Dawson, C.E. (1963) 10-22289 M
Trans.Amer.Fish.Soc., 92(3):310-1
Length and weight relationships of young red snappers from the northern Gulf of Mexico

Data on 257 specimens (37-354 mm) of young red snapper (Lutjanus blackfordi).

Rickey, R. & W.L. Sheridan (1963) 10-22290 M
Trans.Amer.Fish.Soc., 92(3):318-20
Carapace length - width relationship for the king crab

Regression equators for male crabs length-weight data for three areas in Alaska.

Renfro, W.C. (1963)A 10-22291 M
Trans.Amer.Fish.Soc., 92(3):320-2
Gas-bubble mortality of fishes in Galveston Bay, Texas

Saetersdal, G., J. Mejia & P. Ramirez (1963) 10-22292 M
Bol.Inst.Invest.Recurs.mar.Callao, 1(3):45-84
La caza de cachalotes en el Perú. Estadísticas de captura para los años 1947-1961 y un intento de analizar las condiciones de la población en el período 1945-1961
(Sperm-whales hunting in Peru. Statistics of catch for the years 1947-1961 and a preliminary analysis of the state of the stock in the period 1945-1961). En

Data of effort catch per unit effort and size; population structure; stock abundance and its relation to effort; relationship between catch and effort; analysis of the state of the stock.

Costlow, J.D., Jr. (1963) 10-22293 M
J.exp.Zool., 152(3):219-27
Regeneration and metamorphosis in larvae of the blue crab, Callinectes sapidus Rathbun

Autonomy and regeneration studied in megalops reared under laboratory conditions. Autonomy of chela induced by applying pressure on any of the segments of the claw and no evidence of distal-proximal gradient in sensitivity of appendage.

Jordan, R. (1963) 10-22294 M
Bol.Inst.Invest.Recurs.mar.Callao, 1(2):25-43
Un análisis del número de vértebras de la anchoveta peruana (Engraulis ringens J.)
(Analysis of the vertebral number of the Peruvian anchovy (Engraulis ringens J.)).
En

Comparison of data between pairs of localities between Chimbote in the north and Ilo in the south confirm that even the most distant localities do not show any statistically significant differences. Vertebra number is not a useful tool in the studies of the populations structure of the Peruvian anchoveta.

Andriashev, A.P. (L. Penny, Transl.)(n.d.1963)C 10-22295 M
Washington, USFWS, mimeo, 8 p.
Families of fishes new to the Antarctic. Communiqué 3. Pelagic young of flatfish (Pisces, Bothidae) off the antarctic coast

En Andriashev, A.P., 1960.

Dettbarn, W.-D. & F.A. Davis (1963) 10-22296 M
Biochim.biophys.Acta, 66(3):397-405
Effects of acetylcholine on axonal conduction of lobster nerve

Results of experiments with Homarus americanus.

Aasen, O. (1963)A 10-22297 M
Fiskeridir.Skr.Havundersøk., 13(6):20-37
Length and growth of the porbeagle (Lamna nasus, Bonnaterra) in the north west Atlantic

Wiborg, K.F. (1963) 10-22298 M
Fiskeridir.Skr.Havundersøk., 13(6):38-53
Some observations on the Iceland scallop Chlamys islandica (Müller) in Norwegian waters

The Iceland scallop is sexually mature at a shell height of 30-45 mm and a supposed age of 3-5 years. The sexes are separate, spawning taking place in July-August. In the localities investigated, the size of the scallop varied between ten and 105 mm, with maximum abundance at 45-90 mm.

Østvedt, O.J. (1963) 10-22299 M
Fiskeridir.Skr.Havundersøk., 13(6):54-72
On the life history of the spotted catfish (Anarhichas minor Olafsen)

Age, growth, spawning and migrations are considered.

Dannevig, G. (1963) 10-22300 M
Fiskeridir.Skr.Havundersøk., 13(6):73-9
Artificial propagation of cod. Some recent results of the liberation of larvae

Gadus morhua.

Hamre, J. (1963) 10-22301 M
Fiskeridir.Skr.Havundersøk., 13(6):106-19
Some technological aspects of the Norwegian tuna purse seining fishery

An account of the development of the Norwegian tuna fishery is given, including a brief description of the purse seine method used at present, and a consideration of its efficiency compared to the American technique.

Moore, E.J. (1963) 10-22302 M
Amer.Midl.Nat., 69(2):510-1
Mollusks of the tropical eastern Pacific, particularly from the southern half of the Panamic-Pacific faunal province (Panama to Peru)

Re 62-00169.

Figueiredo, M.J. (1963) 10-22303 M
Bol.Soc.portug.Ciênc.nat., 9:16-20
Un stomatopode nouveau pour la faune portugaise et pour l'océan Atlantique: Pseudosquilla ferussaci (Roux)
(Pseudosquilla ferussaci (Roux) a new stomatopode for the Portuguese fauna and for the Atlantic Ocean)

Describes the species on the basis of material collected at the trawling grounds of the Portuguese coast.

Codina, J.R. (1963) 10-22304 M
Industr.Conserv., 29(287):132
La ostra - un molusco importante
(The oyster - an important mollusc)

A brief review of the value of oysters as food, and oysterculture.

ANON. (1963) 10-22305 M
Industr.conserv., 29(288):150
La crianza artificial de peces en el Japon
(Fishculture in Japan)

A review of marine fishculture methods.

U.K.MAFF & Department of Agriculture and Fisheries for Scotland (1963) 10-22306 M
Fish.Stk Rec., (1962):52 p.

Summaries size and age compositions of Pleuronectes platessa, Solea vulgaris, Gadus callarias, G. aeglefinus, G. merlangus, G. virens, Clupea harengus, C. sprattus catches by English vessels in N. Atlantic and arctic waters. Summarizes samples, catches per unit effort, conversion tables, histograms, etc. and gives short account of condition of each stock sampled.

Brown, H.F. (1963)C 10-22307 M
Thesis, Univ. of Oxford, U.K.
An electrophysiological study of the hearts of Squilla mantis and Maia squinado, with special reference to the mode of action of the pericardial organ

Coulson, J.C. & G. Hickling (1963) 10-22308 M
Trans.nat.Hist.Soc.Northumb., 14(5):170-8
The grey seals of the Farne islands. Report for the period 1 October 1961 to 30 September 1962

Co 62-06028.

Coulson, J.C. & G. Hickling (1963) 10-22309 M
Trans.nat.Hist.Soc.Northumb., 14(5):179-83
The grey seals of the Farne islands. Supplementary report: the 1962 breeding season

CR 10-22308.

ANON. (1963) 10-22310 M
Allg.FischwirtschaftZtg., 15(34/35):37-8
Über die Seezunge der Nordsee
(The sole in the North Sea)

ANON. (1963) 10-22311 M
Allg.FischwirtschaftZtg., 15(34/35):38
Die englischen Zuchtversuche bei Schollen
(The English attempts at plaice culture)

Timet, D. (1963) 10-22312 M
Thalassia jugosl., 2(3):21 p.
Studies on heat resistance in marine fishes, 1: Upper lethal limits in different species of the Adriatic littoral

Experiments carried out at Biological Institute Marine Biological Laboratory at Rovinj. Species selected were *Scorpaena porcus* L., *Gobius paganellus* L., *Sargus vulgaris* Geoffr., *Box salpa* C.V., *Crenilabrus ocellatus* C.V., *Mullus barbatus*, L., *M. surmuletus* L., *Scomber scombrus* L., *Clupea pilchardus* Art.Walb.

Meyer-Waarden (1963) 10-22313 M
Allg.FischwirtschaftZtg., 15(15):5-8
Amerikas Forschung hilft der Thunfischerei
(American researches help the tuna fisheries)

Debaie, B.F.C. (Ed.)(1963) 10-22314 M
Sampl.Yearb.int.Comm.Northw.Atlant.Fish., 6 (1961):193 p.

Gives tables of length and age frequency distributions of samples of cod, haddock, redfish, American plaice, winter flounder, pollock, white hake and cusk, from catches by ICNAF member countries, using various gears. Introductory analysis of sampling distribution and method.

ANON. (1963) 10-22315 M
France Pêche, (76):35-6
Fiche technique, les Cirrhipèdes - la patelle ou bernique
(Fishery cards on Cirripedia - *Patella vulgata*)

Detachable cards, ill., giving biology, habitat, commercial importance of *Patella* and 3 barnacles.

Hotta, H., T. Kariya & T. Ogawa 10-22316 M
(W.G. Van Campen, Transl.)(1963)C
Honolulu, Bureau of Commercial Fisheries, 32 p.
A study on the biting of skipjack in the live-bait fishery. Part 1. Relation between the biting and the alimental canal in the Tohoku Sea area

En 62-05528.

Oppelt, W.W., L. Bunim & D.P. Rall (1963) 10-22317 M
Life Sci., (7):497-503
Distribution of glucose in the spiny dogfish (*S. acanthias*) and the brier skate (*R. eglanteria*)

Reports studies of glucose distribution between plasma, CSF (here called ventricular fluid), extradural fluid (EDF) and pericardial fluid (PCF) during normal and elevated blood glucose levels. Ventricular fluid (VF) and plasma glucose concentrations were also measured in the brier skate (*Raja eglanteria*). FAO:sjh

Howard, J.K. *et al.* (1963)A 10-22318 M
Occ.Pap.Indo-Pacif.Fish.Coun., 63(12):3 p., mimeo
Japanese standard common names of Istiophoridae

Nagabhushanam, R. (1963) 10-22319 M
Indian J.exp.Biol., 1(3):161-2
Neurosecretory cycle and reproduction in the bivalve, *Crassostrea virginica*

Deals with the role of neurosecretion in the reproductive cycle in the oyster.

Hildebrandt, A.G.U. & W. Smit (1963) 10-22320 M
Versl.landb.-econ.Inst., (29):74 p.
Bedrijfsresultaten van in Zeeland gevestigde mosselkwekerijen
(Economic results of the musselculture in the Netherlands). *Ne* En

Stander, G.H. (1963) 10-22321 M
Invest.Rep.S.W.Afr.Mar.Res.Lab., (9):57 p.
The pilchard of south west Africa (*Sardinops ocellata*). Temperature: its annual cycles and relation to wind and spawning

An analysis of data for the period March 1959-April 1961.

Roithmayr, C.M. (1963) 10-22322 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (434):22 p.
Distribution of fishing by purse seine vessels for Atlantic menhaden, 1955-59

Records monthly variations in numbers and area distribution of seine nets and infers apparent movements of Brevoortia tyrannus.

Sutherland, D.F. (1963) 10-22323 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (435):21 p.
Variation in vertebral numbers of juvenile Atlantic menhaden

Samples from 45 estuaries during 1956-59 allowed variance analysis for 17,024 fish. This indicated two populations or sub-populations of juvenile Brevoortia tyrannus, one north and one south of Long Island New York.

Cann, J.R. (1963) 10-22324 M
Proc.nat.Acad.Sci.,Wash., 50(2):368-72
Spectroscopic investigations of the reaction of sperm whale myoglobin with zinc

Penczak, T. (1963) 10-22325 M
Zesz.nauk.Uniw.lódz., (2)(14):111-21
Materiały do poznania rozsiedlenia form Gasterosteus aculeatus L. w Polsce
(On the location of the forms of Gasterosteus aculeatus L. in Poland). En

Results increase the information about the morphological differentiation of this species within the territory of Poland.

Morawa, F. (1963) 10-22326 M
Fischerblatt, 11(9):181-4
Fang, Transport und Verarbeitung von Heringen an der amerikanischen Atlantikküste
(Catch, transport and processing of herring on the American Atlantic coast)

Barrett, E.M. (1963) 10-22327 M
Fish Bull.,Sacramento, (123):103 p.
The California oyster industry

An account of the industry covering its entire history.

Rodgers, G. (1963) 10-22328 M
Rel.nat.Sci.Fdn, (NSF 63-137):4 p.
1964 U.S. Antarctic research program. Includes U.S.-Soviet cosmic ray study

Notes of progress in marine sciences. Incl. physiology and ecology of four Antarctic seal species. Involves scuba diving to photograph behaviour. Diving behaviour and physiology of Weddell seal. Investigations aboard ELTANIN. Survey of types, origin, and distribution, of deep sea isopods. Analysis of phosphorus in plankton and chemical compounds in sea water.

Fridriksson, A. (Ed.)(1963) 10-22329 M
Statist.News Lett.Coun.Explor.Sea, (17):35 p.
Herring - North Sea 1962. Fishing effort, yields

Contains catch and effort data for 1962 and a survey of yields per 100 nets for Holland and Scotland in 1960, 1961 and 1962.
Co 9-12405.

Caldwell, D.K. (1963) 10-22330 M
Calif.Fish Game, 49(3):140-51
The sea turtle fishery of Baja California, Mexico

An assessment of its present and past status especially that for green turtles Chelonia mydas carrinegra; history, fishing methods, uses, marketing, biology, conservation practices.

Young, P.H. (1963) 10-22331 M
Fish Bull.,Sacramento, (122):67 p.
The kelp bass (Paralabrax clathratus) and its fishery, 1947-1958

A study of the fisheries, catches, migrations, life history, with description of regulation of the fishery.

Phillips, J.B. (1963) 10-22332 M
Calif.Fish Game, 49(3):209
A fantail sole, Xystreurys liolepis, in Monterey Bay

A record for July 1962 which establishes a definite northern boundary, about nine miles above Monterey and extends the bathymetric range from 30 fathoms.

Smith, A.G. (1963) 10-22333 M
Calif.Fish Game, 49(3):209-11
More giant squids from California

Gives four records (1950, 1962, 1962) and reports on earlier ones.

Carlisle, J.G.,Jr. (1963) 10-22334 M
Calif.Fish Game, 49(3):212
A second large catch of Pacific round herring

Describes a large and unusual catch of Etrumeus acuminatus near Santa Catalina Island in 1962 and gives references to earlier occurrences in California.

Jow, T. (1963) 10-22335 M
Calif.Fish Game, 49(3):212-3
New northern records for ocean whitefish Caulolatilus princeps (Jenyns)

Records a capture in 1962 off Humboldt County, California, which extends northern occurrence over 220 miles.

Best, E.A. (1963) 10-22336 M
Calif.Fish Game, 49(3):213-4
Greenland halibut, Reinhardtius hippoglossoides (Walbaum), added to Californian fauna

Records it for first time (1962); probably from Gulf of the Farallons.

Fitch, J.E. (1963) 10-22337 M
Calif.Fish Game, 49(3):214-5
A second pinto lobster from California

Describes record of Panulirus inflatus from San Diego (1962).

Jow, T. (1963) 10-22338 M
Calif.Fish Game, 49(3):215-6
A record-size daggertooth taken off northern California

Describes taking of a Anotopterus pharao in 1962 off Cape Mendocino.

Bergeron, J. (1963) 10-22339 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:147-53
La pêche commerciale du homard aux Iles-de-la-Madeleine en 1962. Statistiques et échantillonage
(Commercial lobster fishing in the Magdalen Islands in 1962. Statistics and checking of samples)

Nursall, J.R. (1963) 10-22340 M
Canad.J.Zool., 41(5):865-80
The caudal musculature of Hoplopagrus guntheri Gill (Perciformes: Lutjanidae)

Examines in detail the relationships of the caudal musculature of a typical form, in order to adumbrate the mode of action and functional capabilities of the caudal fin. Also, some generalizations concerning the phylogenetic development of the fin musculature are attempted.

Voss, G.L. (1963) 10-22341 M
Bull.Mar.Sci.Gulf Caribb., 13(1):77-83
A new species of cranchiid squid, Phasmatopsis lucifer, from the Gulf of Mexico

Its relationship to the genera Phasmatopsis and Taonius is discussed and despite certain characters not common to P. it is placed in that genus until more information is available.

Robins, C.R. & D.P. de Sylva (1963) 10-22342 M
Bull.Mar.Sci.Gulf Caribb., 13(1):84-122
A new western Atlantic spearfish, Tetrapturus pfluegeri, with a redescription of the Mediterranean spearfish Tetrapturus belone

Specimens from western North Atlantic previously described and attributed to belone diverge decisively in several features, notably the number of dorsal spines and the lengths of the pectoral fin and bill. This western Atlantic form is diagnosed as a new species, T. pfluegeri. The two species are contrasted and synonyms are provided for each.

de Sylva, D.P. (1963) 10-22343 M
Bull.Mar.Sci.Gulf Caribb., 13(1):123-32
Postlarva of the white marlin, Tetrapturus albidus, from the Florida current off the Carolinas

A postlarval specimen of the white marlin is described for the first time. Counts and proportional measurements are given, and the color pattern is described. A provisional key is given for the late postlarvae and early juveniles of the western Atlantic species of the family Istiophoridae.

Hubbs, C.L. (1963)A 10-22344 M
Bull.Mar.Sci.Gulf Caribb., 13(1):133-92
Chaetodon aya and related deep-living butterflyfishes: their variation, distribution and synonymy

Townsley, P.M., H.G. Wight & M.A. Scott (1963) 10-22345 M
J.Fish.Res.Bd Can., 20(3):679-84
Marine fish tissue culture

Describes cell proliferation of explants of various tissues from fish species commonly caught off the Canadian Atlantic coast. Medium 199 with 10% human serum added was used as the nutrient solution.

Townsley, P.M. et al. (1963) 10-22346 M
J.Fish.Res.Bd Can., 20(3):743-7
The in-vitro maturation of the parasitic nematode, Terranova decipiens, from cod muscle

Larvae which would normally develop in the digestive tract of a seal were cultured in medium 199 with added glucose, beef embryo and liver extracts and antibiotics. The time required for development in culture of the adult approached that required in the seal.

Scott, W.B. (1963) 10-22347 M
J.Fish.Res.Bd Can., 20(3):849-50
A note on Gadus (Micromesistius) poutassou (Risso) from western Atlantic waters

Data for five fish collected off Sable Island in 1962.

Barraclough, W.E. & K.S. Ketchen (1963) 10-22348 M
J.Fish.Res.Bd Can., 20(3):851-2
First record of the thornback sculpin, Paricelinus hopliticus, Eigenmann and Eigenmann, in British Columbia waters

Rees, E.I.S. & M.R. Clarke (1963) 10-22349 M
J.Fish.Res.Bd Can., 20(3):853
First records of Tetronychoteuthis dussumieri (d'Orbigny)(Cephalopoda; Onychoteuthidae) from the northwest Atlantic

Reports on five specimens taken from Sebastes (redfish) stomachs, and figures the single specimens in relatively good condition.

McCracken, F.D. (1963) 10-22350 M
J.Fish.Res.Bd Can., 20(3):855-7
Migrations of haddock between the Gulf of St. Lawrence and offshore Nova Scotian banks

Information gathered from 171 recaptured fish from a batch of 968 which were released after tagging in 1956. Records and discusses briefly recaptures in the 3 subsequent years.

Mead, G.W. (1963) 10-22351 M
Deep-Sea Res., 10(3):251-7
Observations on fishes caught over the anoxic waters of the Cariaco Trench, Venezuela

During cruise 26 of the R/V CHAIN, Woods Hole Oceanographic Institution, several bathypelagic collections were made using closing gear and depth telemeter equipment developed by the National Institute of Oceanography in Great Britain, and the Isaacs-Kidd midwater trawl. One such station was over the Cariaco Trench, Venezuela; another over adjacent but open waters of the Caribbean.
Issued also as: Contr.Woods Hole oceanogr. Instn, (1310).

Pavlova, M.V. (1961)C 10-22352 M
In Trudy Konferentsii po rybnomu khoz-vu respublik Sred. Azii i Kazakhstana:155-6
Kormovaia baza nektorykh zalivov oz. Issyk-Kul'
(The feeds provision of certain bays in L. Issyk-Kul')

Zaitsev, Iu.P. (1961)C 10-22353 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk biol.sta. :41-4
Neizuchennyi pelagicheskii biotsenoz Chernogo moria
(A hitherto unknown pelagic biocenosis of the Black Sea)

Chukhchin, V.D. (1961)C 10-22354 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :39-40
Nekotorye voprosy biologii rapany v Chernom more
(Some aspects of Black Sea Rapana bezoar biology)

Korzhuev, P.A. et al. (1961)C 10-22355 M
In Tez.dokl.i soobshch.Nauchn.konf.posviashch. 40-let.deiatel'nosti Novorossiisk.biol.sta. :53-4
Ekologo-fiziologicheskie osobennosti del'finov Chernogo moria
(Ecological and physiological characteristics of Black Sea dolphins)

Subrahmanyam, C.B. (1963) 10-22356 M
Curr.Sci., 32:165-6
Note on the annual reproductive cycle of the prawn Penaeus indicus (M.Edw.)

BSEA 9(6)4059.

Brunel, P. (1963) 10-22357 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:101-17
Variations journalières et saisonnières de l'alimentation de la morue au large de Grande Rivière
(Diurnal and seasonal variations in the nutrition of cod off Grande-Rivière)

Mohideen, H.M. (1963) 10-22358 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:119-29
Correlation between intraocular vascularization and retinal structure in some fishes

Bergeron, J. (1963) 10-22359 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:155-60
Taille minimale légale et captures commerciales de homards (Homarus americanus) aux Iles-de-la-Madeleine en 1962
(Minimal legal size and commercial catch of lobster (Homarus americanus) in the Magdalen Islands in 1962)

Marcotte, A. (1963) 10-22360 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:165-8
Recensement des poissons démersaux à l'entrée de la Baie-des-Chaleurs
(Demersal fish census at the entrance of the Chaleur Bay)

Marcotte, A. (1963) 10-22361 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:169-72
Échantillonnage des captures commerciales de morue
(Samples of commercial catch of cod)

FAO/UN (1965) 10-22362 M
Rep.FAO/EPTA, (1995):65 p.
FAO/GFCM seminar on sardine tagging, Split, Yugoslavia, 2-14 November 1964. Report and lectures

Report on FAO project carried out under UN Expanded Technical Assistance Programme, in response to a recommendation of the GFCM. Seminar designed to assist fisheries scientists from the region in study of dynamics of populations by acquainting them with modern methods of fish tagging, tag recovery and analysis of results of experiments. Gives recommendations for further action.
Referred to also as: FAO Fish.EPTA Rep., (Fib/EPTA 65).

Bullis, H.R. (1963) 10-22363 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):9-13
Another look at the royal red shrimp resource

Considers the potential yield and development of the fishery of Hymenopenaeus robustus.
Pr 61-348me.

Zein-Eldin, Z.P. (1963) 10-22364 M
Biol.Bull.,Woods Hole, 125(1):188-96
Effect of salinity on growth of postlarval penaeid shrimp

Laboratory study on the effect of salinity on the growth and survival of postlarval Penaeus setiferus and P. aztecus from the Gulf of Mexico. The results suggest that salinity per se does not limit growth of young shrimp.

St.Amant, L.S., K.C. Corkum & J.G. Broom (1963) 10-22365 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):14-26
Studies on growth dynamics of the brown shrimp, Penaeus aztecus, in Louisiana waters

An attempt to establish the normal pattern of movements, density, and growth rates of the species. Factors controlling these patterns and the possibility of predicting production from the data collected are also investigated.
Pr 61-348me.

Brock, V.E. (1963) 10-22366 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):50-2
Will tuna research change direction?

Reviews the FAO World Scientific Meeting on the Biology of Tunas and Related Species and comments on future research and tuna fishing developments.
Pr 61-348me.

Kutkuhn, J.H. (1963) 10-22367 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):65-78
Expanded research on Gulf of Mexico shrimp resources

Discusses current program's objectives as well as the general scheme of research being followed to attain them. Classed under the headings "biology" and "dynamics", individual projects are discussed in terms of the research techniques involved and the more significant findings that have resulted.
Pr 61-348me.

Baxter, K.N. (1963) 10-22368 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):79-87
Abundance of postlarval shrimp - one index of future shrimping success

The feasibility of forecasting offshore abundance of commercial-size shrimp from preseason counts of postlarvae as they enter passes to inshore nursery grounds is discussed. The method employed to sample postlarvae is described.
Pr 61-348me.

Dragovich, A. & J.A. Kelly,Jr. (1963) 10-22369 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):87-102
A biological study and some economic aspects of squid in Tampa Bay, Florida

Distribution of the squid Lolliguncula brevis by time and area is described for Tampa Bay and its adjacent waters. Tolerances of L. brevis to salinity and temperature are discussed. Particular emphasis is placed upon size at which sexual maturity occurs. A discussion of the economics of the squid fishery is given.
Pr 61-348me.

Gunter, G. (1963) 10-22370 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):103-10
The proper zoological name of the North American white shrimp

Discusses the validity of the name Penaeus setiferus.
Pr 61-348me.

Rees, G.H. (1963)A 10-22371 M
Proc.Gulf Caribb.fish.Inst., 15(1962):110-5
Progress on blue crab research in the South Atlantic

Pr 61-348me.

Engle, J.B. & A. Rosenfield (1963)A 10-22372 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):116-24
Progress in oyster mortality studies

Pr 61-348me.

Squire, J.L.,Jr. & F.J. Mather III (1963) 10-22373 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):124-33
Observations on the commercial potential of tuna in the oceanic northwest Atlantic

Explorations using tuna longline gear in the oceanic northwest Atlantic, from off Cape Hatteras to east of Bermuda and north to near the Grand Banks, indicate that bluefin tuna, Thunnus thynnus, and yellowfin tuna, T. albacares, are to be found in potentially commercial quantities.
Pr 61-348me.

Randall, J.E. (1963) 10-22374 M
Proc.Gulf Caribb.Fish.Inst., 155-7
Additional recoveries of tagged reef fishes from the Virgin Islands

Record of 13 new tag recoveries.
Pr 61-348me.

Norris, K.S. (1965) 10-22375 M
Science, 147(3661):1048-50
Trained porpoise released in the open sea

Describes experiments associated with the controlled feeding and development of social ties on Tursiops gilli in Hawaiian waters.

ANON. (1965) 10-22376 M
Mondo sommerso, 7(7)
Atlante dei pesci delle coste italiane (Fish atlas of the Italian coasts). It

Detachable cards, ill., with notes on morphology, reproduction, nutrition and geographical distribution of Ruvettus pretiosus, Atherina mochon, A. hepsetus and A. boyeri.

ANON. (1965) 10-22377 M
Mondo sommerso, 7(9)
Atlante dei pesci delle coste italiane (Fish atlas of the Italian coasts). *It*

Detachable cards, ill., with notes on morphology, reproduction, nutrition and geographical distribution of *Epinephelus aeneus* and *Hexanchus griseus.*

Deason, H. (1965) 10-22378 M
Science, 148(3671):834
Fishes of the western North Atlantic

Re 9-09513, 9-12464.

Jensen, D. (1963) 10-22379 M
Comp.Biochem.Physiol., 10(2):129-53
Eptatretin: a potent cardioactive agent from the branchial heart of the Pacific hagfish, *Eptatretus stoutii*

Bentley, P.J. (1963) 10-22380 M
Comp.Biochem.Physiol., 10(3):257
Composition of the urine of the fasting humpback whale (*Megaptera nodosa*)

FAO/UN (1965) 10-22381 M
Rep.FAO/EPTA, (1960):25 p.
Report to the government of Uganda on the experimental fish culture project in Uganda, 1962-64. Based on the work of Y. Pruginin, FAO/EPTA fish culturist

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Deals with experiments on *Cyprinus carpio* and *Tilapia* spp., fish farming, improvement of fry centers. Gives recommendations for further development.
Referred to also as: *FAO Fish.EPTA Rep.*, (FIb/EPTA 64).

Peczalska, A. (1962) 10-22382 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:287-320
Badania nad sieją (*C. lavaretus lavaretus* L.) zatoki pomorskiej i Zalewu Szczecińskiego w latach 1956-1958
(Investigations on the Pomeranian Bay and Szczecin Firth lavaret (*C. lavaretus lavaretus* L.) in the years 1956-1958).
Pl En Ru

Strzyzewska, K. (1962) 10-22383 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:387-419
Odzywianie się i pokarm dorsza Bałtyku południowego
(Nourishment and food of southern Baltic cod). *Pl* En Ru

Reimann, Z. (1962) 10-22384 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:321-85
Skład połowów dorsza rejonu Bornholmskiego w latach 1953-1954
(Composition of cod catches of the Bornholm region in 1953-1954). *Pl* En Ru

Ciąglewicz, W. (1962) 10-22385 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:201-23
Charakterystyka biologiczna połowów storni *Pleuronectes flesus* L. w zatoce Gdańskiej
(Biological characteristics of the flounder *Pleuronectes flesus* L. catches in Gdansk Bay). *Pl* En Ru

Chrzan, F. (1962) 10-22386 M
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:161-99
Pokarm i odzywianie się dorsza w zatoce Gdańskiej
(The food and feeding of cod in the Gulf of Gdansk). *Pl* En Ru

Sanches, J.G. (1963) 10-22387 M
Trab.Cent.Biol.pisc., (42):207 p.
Contribuição para o estudo dos peixes teleósteos da ilha de Inhaca, Moçambique
(Contribution to the study of the teleostean fishes of the Inhaca Islands, Mozambique)

Describes 134 species from this area.

Fields, H.L. & D. Kennedy (1965) 10-22388 M
Nature, Lond., 206(4990):1235-7
Functional role of muscle receptor organs in crayfish

Experiments performed on *Procambarus clarkii*.

Parriss, J.R. (1964) 10-22389 M
Behaviour, 23(3/4):240-8
Interference in learning in *Octopus vulgaris*

PA 39(3)7260.

Miles, R.S. (1965) 10-22390 M
Nature, Lond., 206(4983):524-5
Ventral thoracic neuromast lines of
placoderm fishes

Observations were made on the selachian
Squatina squatina.

Clarke, R. (1965) 10-22391 M
Norsk Hvalfangst-tid., 54(6):121-8
Southern right whales on the coast of
Chile

Describes behaviour of Eubalaena australis
sighted at Cartagena and summarizes data
on the distribution of this species and
its fisheries along the Pacific coast of
South America.

Brown, S.G. (1965) 10-22392 M
Norsk Hvalfangst-tid., 54(6):131-5
The colour of the baleen plates in
southern hemisphere sei whales

Theede, H. (1963) 10-22393 M
Kieler Meeresforsch., 19(1):20-41
Experimentelle Untersuchungen über die
Filtrationsleistung der Miesmuschel
Mytilus edulis L.
(Experimental investigations about the
filtration rate of the mussel Mytilus
edulis L.). En

Blandamer, A. & R.B. Beechey 10-22394 M
(1964)
Comp.Biochem.Physiol., 13(1):97-107
The identification of an -amylase
in aqueous extracts of the hepatopancreas
of Carcinus maenas, the common shore crab

Tasaki, I. & T. Takenaka (1964) 10-22395 M
Proc.nat.Acad.Sci., Wash., A52(3):804-11
Effects of various potassium salts and
proteases upon excitability of intracellularly perfused squid giant axons

Villegas, R., M. Blei & 10-22396 M
G. Villegas (1965)
J.gen.Physiol., 48(5):35-41
Penetration of non-electrolyte molecules
in resting and stimulated squid nerve
fibers

Brinley, F.J. Jr. (1965) 10-22397 M
J.gen.Physiol., 48(5):41-9
A conference on newer properties of
perfused squid axons

Ci 10-22704.

Subrahmanyan, R. (1963) 10-22398 M
Curr.Sci., 32(8):347-8
The Antarctic krill, the staple food of
the whales

Sreenivasan, A. & R.S. Raj 10-22399 M
(1963)
Curr.Sci., 32(8):363
Toxicity of zinc to fish

Simon, N. (1965) 10-22400 M
Science, 149(3687):943-6
Of whales and whaling

History of whaling industry, recent catches
and protection measures are discussed.

Lange, R. & K. Fugelli (1965) 10-22401 M
Comp.Biochem.Physiol., 15(3):283-92
The osmotic adjustment in the euryhaline
teleosts, the flounder, Pleuronectes
flesus L. and the three-spined stickleback,
Gasterosteus aculeatus L.

Scheline, R.R. (1963) 10-22402 M
Comp.Biochem.Physiol., 9(3):215-27
Adrenergic mechanisms in fish: chromatophore pigment concentration in the cuckoo
wrasse, Labrus ossifagus L.

Munz, F.W. & R.W. Morris (1965) 10-22403 M
Comp.Biochem.Physiol., 16(1):1-6
Metabolic rate of the hagfish, Eptatretus
stoutii (Lockington) 1878

Golvan, Y.J. et al. (1964) 10-22404 M
Ann.Parasit.hum.comp., 39:61-8
(EUZETACANTHUS simplex n. gen. (Rudolphi
1810) the surmullet (Mullus surmuletus
Linné 1758) at Banyuls-sur-Mer). Fr

Dean, J.M. (1964) 10-22405 M
Atom.Prod.oper.U.S.atom.Energy Commn, :173-6
Determination of gastrolith development in crayfish

Anno, K. et al. (1964) 10-22406 M
Biochem.biophys.Acta, 83:348-9
Isolation of chondroitin from squid skin

Barr, W.A. et al. (1964) 10-22407 M
Gen.comp.Endocr., 4:608-13
Endocrine control of the sexual cycle in the plaice, Pleuronectes platessa L. 4. Gonadotropic activity of the pituitary gland

Metcalf, T.G. et al. (1965) 10-22408 M
J.infect.Dis., 115:68-76
The accumulation of enteric viruses by the oyster, Crassostrea virginica

Burrage, B.R. (1964) 10-22409 M
Trans.Kans.Acad.Sci., 67:496-8
The possibility of paralytic effects of selected sea stars and brittle-stars on Octopus bimaculatus

Luk'ianenko, V.I. (1965) 10-22410 M
Dokl.Akad.Nauk SSSR, 164(2):466-8
Sravnitel'naia kharakteristika gumoral'nykh faktorov estestvennogo immuniteta osetrovykh ryb
(A comparative description of the humoral factors of natural immunity in Acipenseridae). Ru

Coulombe, H.N., S.H. Ridgway & W.E. Evans (1965) 10-22411 M
Science, 149(3679):86-8
Respiratory water exchange in two species of porpoise

Tursiops truncatus & Lagenorhynchus obliquidens were examined.

Kern, H. (1964) 10-22412 M
Z.Zellforsch, 63:134-54
(Examination of the pancreas of some selachians with special consideration of the islet organ). De

IABS 38(2)4661.

Chieffi, G. & V. Botte (1965) 10-22413 M
Z.Zellforsch, 65:350-62
Histological and histochemical observations on testis of Gobius paganellus

IABS 38(2)4663.

Altner, H. (1965) 10-22414 M
Z.Zellforsch., 64:570-92
(Comparative examination of cytology and vascularisation of the saccus vasculosus of Chondrichthyes). De

IABS 38(3)7491.

Polenov, A.L. & M.A. Belen'kii (1965) 10-22415 M
Dokl.Akad.Nauk SSSR, 163(3):731-3
Eletronnomikroskopicheskii analiz neirosekretornykh doli gipofiza u chernomorskikh skatov
(Electronmicroscope analysis of the neurosecretory elements of the neurointermediate lobe of the pituitary gland in the Black Sea skates). Ru

Shuleikin, V.V. (1965) 10-22416 M
Dokl.Akad.Nauk SSSR, 163(3):754-7
Energetika morskikh zhivotnykh
(The energy aspect of sea-animals). Ru

Sawyer, W.H. (1965) 10-22417 M
Gen.comp.Endocr., 5:427-39
Active neurohypophysial principles from a cyclostome (Petromyzon marinus) and two cartilaginous fishes (Squalus acanthias and Hydrolagus colliei)

Smith, J.L.B. (1965) 10-22418 M
Ann.Mag.nat.Hist.(13), 7(81):529-31
A new sponge-dwelling apogonid fish from the Red Sea

Description of Ostorhynchus spongicolus sp. nov. (family Apogonidae).

Smith, J.L.B. (1965) 10-22419 M
Ann.Mag.nat.Hist.(13), 7(81):533-7
A rare anthiid fish from Cook Island, Pacific, with a résumé of related species

Smith, J.L.B. (1965) 10-22420 M

Ann.Mag.nat.Hist.(13), 7(81):567-75

An interesting new fish of the family Chiasmodontidae from South Africa, with redescription of Odontonema kerberti Weber, 1913

Mitani, F. (1965)A 10-22421 M

Bull.Jap.Soc.sci.Fish., 31(6):423-8

(An attempt to estimate the population size of the mojako, the juvenile of the yellowtail, Seriola quinqueradiata Temminck et Schlegel, from the amount of the floating seaweeds based on the observations made by means of aeroplane and vessels. 1. State of distribution of the floating seaweeds). Ni En

Mitani, F. (1965) 10-22422 M

Bull.Jap.Soc.sci.Fish., 31(6):429-34

(An attempt to estimate the population size of the mojako, the juvenile of the yellowtail, Seriola quinqueradiata Temminck et Schlegel, from the amount of the floating seaweeds based on the observations made by means of aeroplane and vessels. 2. Estimate of the amount of the floating seaweeds). Ni En

Quantitative assessment from eye observations and aerial photographs. Co 10-22421. :aem

Ishii, T. (1965) 10-22423 M

Bull.Jap.Soc.sci.Fish., 31(5):333-9

(Morphometric analysis of the Atlantic albacore populations mainly her eastern areas). Ni En

Morphological data on Thunnus alalunga collected from six areas; comparison of body length by area.

Tan, H., Y. Nose & Y. Hiyama (1965) 10-22424 M

Bull.Jap.Soc.sci.Fish., 31(6):414-22

Age determination and growth of yellowfin tuna, Thunnus albacares Bonnaterre by vertebrae

Report of age determination by reading of rings on the vertebral centrum.

Kawasaki, T. (1964) 10-22425 M

Bull.Tohoku Fish.Res.Lab., (24):28-47

(Population structure and dynamics of skipjack in the North Pacific and its adjacent waters). Ni En

Description of model of population structure.

Ishito, Y. (1964) 10-22426 M

Bull.Tohoku Fish.Res.Lab., (24):73-80

(Age and growth of the three flounder species, sohachi, roundnose and migigarei flounders, in the fishing area off Hachinohe). Ni En

Age determination by reading otoliths and discussion of growth rate of each spp.

Yoshida, T., Y. Sakurai & M. Kurogi (1964) 10-22427 M

Bull.Tohoku Fish.Res.Lab., (24):88-101

(Density, growth and yield of a laver, Porphyra tenera Kjellman, cultivated in Matsushima Bay). Ni En

Experimental cultivation of laver to observe growth process and harvest.

McKenzie, M.K. (1964) 10-22428 M

Proc.N.Z.ecol.Soc., (11):6-10

The distribution of tuna in relation to oceanographic conditions

Distribution of Thunnus (Neothunnus) albacares, Katsuwonus pelamis, Thunnus germo and Thunnus thynnus macoyii around New Zealand; occurrence of tuna schools in relation to isotherms at 4 different localities.

Matsubara, K. et al. (1964) 10-22429 M

Bull.Misaki mar.biol.Inst., (6):1-20

Revisional study of the trachinoid fishes of the family Champsodontidae from the waters around Japan, and Tonking Bay

Ill. description of Champsodon snyderi, C. guentheri, C. longipinnis sp. nov. and C. stridorsalis with key to genus; discussion of specific characteristics.

Iwai, T. & I. Nakamura (1964) 10-22430 M

Bull.Misaki mar.biol.Inst., (7):1-8

Olfactory organs of tunas with special reference to their systematic significance

Comparison of the olfactory organs (nasal laminae of olfactory rosette) of 6 spp. of tuna.

Amaoka, K. (1964) 10-22431 M
Bull.Misaki mar.biol.Inst., (7):9-17
First record of sinistrality in
Poecilopsetta plinthus (Jordan and Starks),
a pleuronectid fish of Japan

Detailed ill. description; discussion of phylogeny of the Heterosomata; comparison of meristic characters and colouration between the sinistral and normal specimen.

Iwai, T. & I. Nakamura (1964) 10-22432 M
Bull.Misaki mar.biol.Inst., (6):21-5
Branchial skeleton of the bluefin tuna,
with special reference to the gill rays

Account of the branchial skeleton and discussion of the gill rays in relation to respiratory function and taxonomic features.

ANON. (1965) 10-22433 M
Aust.Fish.Newslett., 24(6):17
Tasmanian tuna survey not encouraging

Summary of progress report on operations during the first 3 months of the survey.

Fujii, Y. (1965) 10-22434 M
Bull.Tokai Fish.Res.Lab., (42):39-98
(Biochemical study on DNA of tunas). Ni
En

Study of the specific characteristics of DNA in tunas with special reference to the proportion of basal components in DNA, contents in cells and antigenic properties.

Mori, K., H. Tamate & T. Imai 10-22435 M
(1964)
Tohoku J.agric.Res., 15(3):269-77
Presence of Δ^5 -3 β -hydroxysteroid
dehydrogenase activity in the tissues of
maturing oysters

Histochemical demonstration.

Threadgold, L.T. & A.H. Houston 10-22436 M
(1964)
Exp.Cell.Res., 34(1):1-24
An electron microscope study of the
"cloride cell" of Salmo salar L.

Ohsumi, S. (1965) 10-22437 M
Sci.Rep.Whales Res.Inst.,Tokyo, (19):1-35
Reproduction of the sperm whale in the
north-west Pacific

Breeding season; gestation, parturition and lactation; ovulation; pregnancy rate; reproduction cycle.

Ohsumi, S. (1965) 10-22438 M
Sci.Rep.Whales Res.Inst.,Tokyo, (19):135-6
A dolphin (Stenella caeruleoalba) with
protruded rudimentary hind limbs

Ill. description and body measurements.

Hosokawa, H. & T. Kamiya (1965) 10-22439 M
Sci.Rep.Whales Res.Inst.,Tokyo, (19):105-33
Sections of the dolphin's head (Stenella
caeruleoalba)

Cross and latitudinal sections of the head are photographed and sketched and described.

Nakajima, M. & M. Nishiwaki 10-22440 M
(1965)
Sci.Rep.Whales Res.Inst.,Tokyo, (19):66-104
The first occurrence of a porpoise
(Electra electra) in Japan

External characters and measurements; osteology incl. tabulation of skull measurements; comparison of osteological characters with other spp.; observations on internal organs, parasites and rete mirabile; taxonomical position.

Nishiwaki, M. et al. (1965) 10-22441 M
Sci.Rep.Whales Res.Inst.,Tokyo, (19):65-90
Feresa attenuata captured at the Pacific
coast of Japan in 1963

Note on capture and keeping; external characters; classification into species; osteological notes incl. tabulations of skull measurements, vertebrae and teeth dimensions etc.

Nishiwaki, M., M. Nakajima & 10-22442 M
T. Kamiya (1965)
Sci.Rep.Whales Res.Inst.,Tokyo, (19):53-64
A rare species of dolphin (Stenella
attenuata) from Arari, Japan

Note on transportation to oceanarium; body length; distribution; external characters and measurements; osteology incl. tabulation of skull measurements.

Nemoto, T. & T. Kasuya (1965) 10-22443 M
Sci.Rep.Whales Res.Inst.,Tokyo, (19):45-51
Foods of baleen whales in the Gulf of Alaska of the North Pacific

Diet composition from analysis of stomach contents; distribution of fin, sei and blue whales in relation to distribution of euphausiids.

Kasuya, T. & T. Ichihara (1965) 10-22444 M
Sci.Rep.Whales Res.Inst.,Tokyo, (19):37-43
Some informations on minke whales from the Antarctic

Distribution; external characters; baleen plate; school and body length.

Kuroda, N. (1965) 10-22445 M
Zool.Mag.,Tokyo, 74(3):88-90
(Additions and corrections to the list of fishes of Suruga Bay 18). Ni En

6 new additions incl. Pempheris xanthopterus, Myxocephalus japonicus, Physiculus inbarbatus and Coryphaenoides asper; and 3 corrections.

Fujita, S. & Y. Dotsu (1965) 10-22446 M
Zool.Mag.,Tokyo, 74(4):105-11
(The spawning of the clingfish, Aspasma ciconiae). Ni En

Ill. description of development of eggs and larvae in natural and artificial environment.

Rice, D.W. (1964) 10-22447 M
Oryx, 7(6):295-300
The Hawaiian monk seal

Account of breeding behaviour; feeding habits; world population; effects of human interference.

Yoo, S.-K. (1964) 10-22448 M
Bull.Fish.Coll.Pusan Univ., 6(1):15-20
(Biological studies on the propagation of important bivalves. 1. Growth and size of adult bivalves of Anadara subcrenata). Korean En

Spawning period; size and age at maturity; seasonal growth pattern; growth rate.

Miyamoto, Y. (1964) 10-22449 M
J.Fac.Sci.Hokkaido (6), 15(3):458-69
Effects of reduction of calcium ions on the electrical properties of an isolated single muscle fibre from the crayfish

Measurement of membrane resistance and potential in order to determine static property; measurement of action potential in response to various types of stimulation to determine the nature of potentials and the threshold, chronaxie and conduction velocity etc.
Issued also as: Contr.Zool.Inst.Fac. Sci.Hokkaido Univ., (658).

Kakiuchi, Y. (1964) 10-22450 M
J.Fac.Sci.Hokkaido (6), 15(3):489-98
The change in birefringence of the activated crayfish single muscle fibre

Physiological examination of isolated muscle fibre; record of contraction waves of the muscle and measurement of propagation velocity.
Issued also as: Contr.Zool.Inst.Fac.Sci. Hokkaido Univ., (667).

Bergman, R.A. (1964) 10-22451 M
Johns Hopk.Hosp.Bull., 114(5):325-44
The structure of the dorsal fin musculature of the marine teleosts, Hippocampus hudsonius and H. zosterae

Maynard, E.A. (1964) 10-22452 M
J.exp.Zool., 157(2):251-66
Esterases in crustacean nervous system. 1. Electrophoretic studies in lobsters

Panulirus argus and Panulirus guttatus were used for studies.

Wells, T.A.G. (1964)BC 10-22453 M
London, Heinemann Educational, 56 p.
The dogfish

Fujita, S. (1965) 10-22454 M
Bull.Jap.Soc.sci.Fish., 31(4):258-62
(Early development and rearing of two common flatfishes, Eopsetta grigorjewi (Herzenstein) and Tanakius kitaharai (Jordan et Starks)). Ni En

Ill. description of development of laboratory hatched and reared specimens.

Ryland, J.S. (1963) 10-22455 M
J.exp.Biol., 40:285-99
The swimming speeds of plaice larvae

Swimming speeds attained by hatchery-reared larvae determined by measurements made (a) in still water, and (b) against a current flowing through a long glass tube. Contact stimuli were used to initiate swimming. No optomotor response was found and it was not possible to use the 'fish-wheel' of Bainbridge (1958).
Ci 59-5520.

Hunt, S. & F.R. Jevons (1963) 10-22456 M
Biochim.biophys.Acta, 78(2):376-8
Characterization of the hypobranchial mucin of the whelk Buccinum undatum L.

Describes characterization of mucin from hypobranchial gland of specimens from the marine biology laboratories at Plymouth, Great Britain.

Seno, N. & K. Meyer (1963) 10-22457 M
Biochim.biophys.Acta, 78(2):258-64
Comparative biochemistry of skin, the mucopolysaccharides of shark skin

Adult specimens; one from commercial fishery (Prionace glauca), other (Carcharchinus milberti), obtained from Sandy Hook marine biological laboratory.

Watson, J.E. (1963) 10-22458 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (451):7 p.
A method for tagging immature herring

Fiscus, C.H. & K. Niggol (1965) 10-22459 M
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (498):27 p.
Observations of cetaceans off California, Oregon, and Washington

Records are given of 16 species. Specimens of Delphinus, Lagenorhynchus, Orcinus, and Phocoenoides were collected. Weights, measurements, and stomach analyses are included.

Oka, M. & S. Shirahata (1965) 10-22460 M
Bull.Fac.Fish.Nagasaki, (18):30-40
(Studies on Penaeus orientalis Kishinouye. 2. Morphological classification of the ovarian eggs and the maturity of the ovary).
Ni En

Ill. description of developmental stages.
Co 10-11682.

Mitani, F. & E. Ida (1965) 10-22461 M
Bull.Jap.Soc.sci.Fish., 31(1):18-23
(Studies on the resources of the jack mackerel, Trachurus japonicus (Temminck et Schlegel), in the East China Sea. 2. Fishing efficiency of purse seiner of one-boat and two-boat operation types).
Ni En

Results of investigation of efficiency of fishing operations, based on the daily records of catch during the 8-year period 1956-1963 in the East China Sea.
Co 10-12870.

Imamura, Y. & S. Takeuchi (1963) 10-22462 M
J.Tokyo Univ.Fish., 50(1):11-8
Study on fishing in twilight hours. 2

Study, under laboratory conditions, of fish movement in relation with varied light intensity, using anchovy (Engraulis japonica) and horse mackerel (Trachurus japonicus).
Co 10-12299.

Yamada, K. & K. Amana (1965) 10-22463 M
Bull.Jap.Soc.sci.Fish., 31(1):60-4
Studies on the biological formation of formaldehyde and dimethylamine in fish and shellfish. 5. On the enzymatic formation in the pyloric caeca of Alaska pollock

Examination of the action of the pyloric caeca of Alaska pollock in connection with temperature and pH relation, effect of heating, and betaine and choline.

Yamada, K. & K. Amana (1965) 10-22464 M
Bull.Tokai Fish.Res.Lab., (41):89-95
Studies on the biological formation of formaldehyde and dimethylamine in fish and shellfish. 6. A note on the content of formaldehyde and dimethylamine in two species of gadoid fishes and two species of marine crabs. Ni

Examination of 9 different spp. of fish and shellfish to determine natural occurrence of formaldehyde and dimethylamine.
Co 10-22463.

Uemoto, H. (1964) 10-22465 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1104-12
(Physiological studies on the nuclear insertion operation of pearl oyster. 5. On the utilization of drugs and medicines and the effects of the control of physiological conditions in the ante- or post-operations). Ni

Uemoto, H. (1964) 10-22466 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1113-20
(Physiological studies on the nuclear insertion operation of pearl oyster. 6. Changes of the amount of porphyrin bodies in the mid-gut-gland). *Ni*

Co 10-22465.

Uemoto, H., M. Watanabe & M. Matsuo (1964) 10-22467 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9): 1121-7
(Physiological studies on the nuclear insertion operation of pearl oyster. 7. On the decreases of oxygen consumption of oysters which had been kept under controlled state in the physiological conditions). *Ni*

Co 10-22466.

Briggs, J.C. (1964) 10-22468 M
Tex.J.Sci., 16(4):451-3
The graysby, *Petrometopon cruentatum* (Lacepede), first occurrence in the northern Gulf of Mexico

Coulson, J.C. & G. Hickling (1964) 10-22469 M
J.Anim.Ecol., 33(3):485-512
The breeding biology of the grey seal, *Halichoerus grypus* (Fab.), on the Farne Islands, Northumberland

Bayne, B.L. (1964) 10-22470 M
J.Anim.Ecol., 33(3):513-23
Primary and secondary settlement in *Mytilus edulis* L. (Mollusca)

Aubert, X., B. Chance & R.D. Keynes (1964) 10-22471 M
Proc.roy.Soc.(B), 160(979):211-45
Optical studies of biochemical events in the electric organ of *Electrophorus*

Coulson, J.C. & G. Hickling (1965) 10-22472 M
Trans.nat.Hist.Soc.Northumb., 15(3):121-39
The grey seals of the Farne Islands, report for the period 1 May 1963 to 31 March 1965

Seasonal behaviour, breeding season, culling and tagging of *Halichoerus grypus* (North Sea).

Pomeroy, M.K. & M.D.B. Burt (1964) 10-22473 M
Canad.J.Zool., 42(6):959-73
Cestodes of the herring gull, *Larus argentatus* Pontoppidan, 1763, from New Brunswick, Canada

Six spp. of cestodes are recorded from 21 herring gulls.

Arai, H.P. & C.H. Koski (1964) 10-22474 M
Canad.J.Zool., 42(6):1007-10
A new species of *Trochopus* (Monogenea: Capsalidae) from *Scorpaena guttata* Girard

A new species of monogenetic trematode from California.

Niazi, I.A. (1964) 10-22475 M
Canad.J.Zool., 42(4):707-14
Effect of destruction of the notochord in the stump on tail regeneration in the ammocoetes

Carried out experiments and histological studies on *Petromyzon marinus* and *Entosphenus lamottenii*.

Bagenal, T.B. (1965) 10-22476 M
J.Mar.biol.Ass.U.K., 45(3):599-606
The fecundity of long rough dabs in the Clyde sea area

Concerns the number of ripening eggs in the ovaries of *Hippoglossoides platessoides*.

Nagabhushanam, A.K. (1965) 10-22477 M
J.Mar.biol.Ass.U.K., 45(3):615-57
On the biology of the commoner gadoids in Manx waters

Wheeler, A. (1965) 10-22478 M
J.Mar.biol.Ass.U.K., 45(3):673-8
Further extensions to the known range of the northern rockling, *Ciliata septentrionalis*

Denton, E.J. & J.A.C. Nicol (1965) 10-22479 M
J.Mar.biol.Ass.U.K., 45(3):683-703
Studies on reflexion of light from silvery surfaces of fishes, with special reference to the bleak, *Alburnus alburnus*

Forster, G.R. (1965) 10-22480 M
J.Mar.biol.Ass.U.K., 45(3):773-7
Raja richardsoni from the continental slope off south-west England

Hasuo, M. et al. (1964) 10-22481 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1211
(Experiment of pearl culture at the undeveloped coastal regions of Goto Islands in Nagasaki Prefecture). Ni

Abstract only.

Sakaguchi, S. (1964) 10-22482 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1161-9
(Studies on a trematode parasite of pearl oyster. 2. Its effects on pearl oyster as the first intermediate host). Ni
En

Observations of annual variation in physiological condition of pearl oyster affected by the cercariae of trematode, Bucephalus margaritae and quality of pearls produced by affected oysters.

Shojima, Y. & K. Ueki (1964) 10-22483 M
Bull.Jap.Soc.sci.Fish., 30(3):248-54
(Studies on the larvae and juveniles of fishes accompanying floating algae. 2. Research in the vicinity of Tsuyazaki, during April, 1958 - March, 1959). Ni
En

Comparison of day and night catches of fishes, and fishes collected under a 1-kilowatt lamp at night, inc. spp. composition, size range, colour patterns, seasonal variation of spp. collected.

Hale, H.M. (1964) 10-22484 M
Rec.S.Aust.Mus., 14(4):679-94
Pigmy right whale (Caperea marginata) in South Australian waters. Part 2

Detailed discussion of skeletal parts of 4 of 7 pigmy right whales stranded on South Australian coast. Body measurements of one juvenile are given.

Limbaugh, C. (1964) 10-22485 M
Pacif.Sci., 18(1):41-50
Notes on the life history of two Californian pomacentrids: garibaldis, Hypsypops rubicunda (Girard), and blacksmiths, Chromis punctipinnis (Cooper)

Range, life history, food, competitors, predators and ectoparasitic cleaners are considered; prespawning and spawning behaviour. Discussion of the nest preparation and behaviour of the garibaldis.

Démeusy, N. (1963) 10-22486 M
Proc.int.Congr.Zool., 16(2):118
Rapports entre mue et vitellogénèse chez le crabe Carcinus maenas L.
(Relationship between moult and vitellogenesis in the crab Carcinus maenas)

Experiments on eyestalk ablation.
Pr 62-078me.
Abstract only.

Chassard, C. (1963) 10-22487 M
Proc.int.Congr.Zool., 16(2):121
Adaptation chromatique chez le crustacé décapode Crangon crangon (Linné) par effet réciproque
(Chromatic adaptation in the decapod crustacean Crangon crangon (Linné) by a reciprocal effect)

Groups of shrimps adapted to one another rather than to the background.
Pr 62-078me.
Abstract only.

Sindermann, C.J. (1963) 10-22488 M
Proc.int.Congr.Zool., 16(2):210
Immunogenetic studies of elasmobranch fishes

Demonstrated erythrocyte antigens and isoagglutins variously in species of Raja and Squalus.
Pr 62-078me.
Abstract only.

Black, R.E. & E.T. Pengelley (1963) 10-22489 M
Proc.int.Congr.Zool., 16(2):255
Alpha amylase in developing oyster embryos

Enzyme estimation using dinitrosalicylate for homogenates of eggs and embryos of Crassostrea virginica.
Pr 62-078me.
Abstract only.

Bassot, J.-M. (1963) 10-22490 M
Proc.int.Congr.Zool., 16(2):283
Structure et ultrastructure des organes lumineux chez quelques téléosteens
(Structure and ultrastructure of the luminous organs of some teleosts)

Optical and elctron-microscope work on the photophores of some stomiatids.
Pr 62-078me.
Abstract only.

Hyman, L.H. (1963) 10-22491 M
Bull.Mar.Sci.Gulf Caribb., 13(2):193-6
Notes on a didymozoid trematode from the Bahama Islands. Es

A brief description of a new species of gill parasite taken from a large Epinephelus caught in the Bahamas in summer 1952.

Feddern, H.A. (1963)A 10-22492 M
Bull.Mar.Sci.Gulf Caribb., 13(2):224-41
Color pattern changes during growth of Bodianus pulchellus and B. rufus (Pisces: Labridae). Es

Issued also as: Contr.Mar.Lab.Univ.Miami, (469).

Markevich, A.P. (1963) 10-22493 M
Proc.int.Congr.Zool., 16(1):52
Filogeneticheskie vzaimotnosheniia paraziticheskikh veslonogikh rakoobraznykh (Copepoda parasitica)
(Phylogenetic relations in Copepoda parasitica)

Pr 62-078me.
Abstract only.

Collier, A. (1963)A 10-22494 M
Proc.int.Congr.Zool., 16(1):57
Oyster nutrition and organic materials

Pr 62-078me.
Abstract only.

Clarke, M.R. (1963) 10-22495 M
Proc.int.Congr.Zool., 16(1):67
Information obtained by using squid predators as samplers

Discusses extrapolation of information from beaks in predator stomachs.
Pr 62-078me.
Abstract only.

Pearcy, W.G. (1963) 10-22496 M
Proc.int.Congr.Zool., 16(1):69
Distribution of oceanic cephalopods off Oregon, U.S.A.

Resumé of the results of 200 midwater trawl collections.
Pr 62-078me.
Abstract only.

Hendrix, G. (1963) 10-22497 M
Proc.int.Congr.Zool., 16(1):70
Cephalopods of the San Pedro and Catalina basins

Reports a sampling programme.
Pr 62-078me.
Abstract only.

Fields, W.G. (1963) 10-22498 M
Proc.int.Congr.Zool., 16(1):72
Biology of Loligo opalescens

Also connects reduction in squid size with changes in Californian sardine distribution.
Pr 62-078me.
Abstract only.

Wood, F.G.,Jr. (1963) 10-22499 M
Proc.int.Congr.Zool., 16(1):73
Observations on the behaviour of Octopus

Notes on mating and defensive behaviour of O. vulgaris.
Pr 62-078me.
Abstract only.

Voss, G.L. (1963)A 10-22500 M
Proc.int.Congr.Zool., 16(1):74
Function and comparative morphology of the funnel organ in cephalopods

Pr 62-078me.
Abstract only.

Arnold, J.M. (1963) 10-22501 M
Proc.int.Congr.Zool., 16(1):76
Developmental analysis of the cephalopod embryo

Note of experiments on exposed Loligo pealii embryos in a culture medium.
Pr 62-078me.
Abstract only.

Short, R.B. & R.T. Damian (1963) 10-22502 M
Proc.int.Congr.Zool., 16(1):77
The dicyemid Mesozoa

Parasites of cephalopod kidneys.
Pr 62-078me.
Abstract only.

Potts, W.T.W. & A.W. Martin (1963)A 10-22503 M
Proc.int.Congr.Zool., 16(1):78
The process of ammonia excretion in an octopus

Pr 62-078me.
Abstract only.

Jones, A.C. (1963)A 10-22504 M
Proc.int.Congr.Zool., 16(1):105
Distribution of pink shrimp larvae (Penaeus duorarum Burkenroad) in south Florida

Pr 62-078me.
Abstract only.

Laubier, L. (1963) 10-22505 M
Proc.int.Congr.Zool., 16(1):112
La morphologie des pièces buccales chez les Splanchnotrophidae (Copépodes parasites de mollusques)
(The morphology of the mouth parts of the Splanchnotrophidae (Copepods parasitic on molluscs)

Description based on a study of two spp. of Splanchnotrophus. Concludes that numbers of the family are referable to this single genus.
Pr 62-078me.
Abstract only.

Lasker, R. (1963)A 10-22506 M
Proc.int.Congr.Zool., 16(1):114
The effect of temperature on the incubation time, development and growth of Pacific sardine (Sardinops caerulea Girard) and northern anchovy (Engraulis mordax Girard) embryos and larvae

Pr 62-078me.
Abstract only.

Ben-Tuvia, A. (1963) 10-22507 M
Proc.int.Congr.Zool., 16(1):115
Systematics and ecology of Indo-Pacific fishes recently established in the eastern Mediterranean

Notes 23 species from 20 families collected off Israel and considered as immigrants through the Suez Canal.
Pr 62-078me.
Abstract only.

Tamura, T. (1963)A 10-22508 M
Proc.int.Congr.Zool., 16(1):116
Visual axis and accommodation of fish eyes

Pr 62-078me.
Abstract only.

Mohr, J.L., H. Matsudo & Y.M. Leung (1963) 10-22509 M
Proc.int.Congr.Zool., 16(1):121
A ciliate protozoan of whale lice

Reports a chonotrich, epizoic on cyamids, from the North Atlantic, the Pacific and the Chuckchee Sea.
Pr 62-078me.
Abstract only.

Willmott, S. (1963) 10-22510 M
Proc.int.Congr.Zool., 16(1):141
Observations on the blood-fluke of Merluccius merluccius, an important food fish

One third of an 800 fish sample were parasitised by Aporocotyle spinosicanalis.
Pr 62-078me.
Abstract only.

Vaz-Ferreira, R. & B. Sierra-de-Soriano (1963) 10-22511 M
Proc.int.Congr.Zool., 16(1):250
Tolerancia en grupos biespecíficos de pinnípedios
(Tolerance in bispecific groups of pinnipeds)

Notes on Arctocephalus australis and Otaria byronia in Uruguay.
Pr 62-078me.
Abstract only.

Thomas, H.J. (1963) 10-22512 M
World Fish., 12(10):44-7
Most Scottish shellfish stocks can be developed

Concludes that most stocks are not only sufficient to support the current level of fishing, but could also withstand further development.

Trout, G.C. (1963) 10-22513 M
World Fish., 12(10):73-8
Facts from the fishermen - 1

Deals with data derived from fishermen's activities alone - their catches which, after sample analysis, seem to provide interesting and basically different patterns of seasonal behaviour for important food fish.

Laverack, M.S. (1963) 10-22514 M
Proc.int.Congr.Zool., 16(3):72-4
Aspects of chemoreception in Crustacea

Discusses electrophysiological measurements from dactylopodite sense organs of the first pereiopods of Homarus, Portunas and Carcinus.
Pr 62-078me.
Abstract only.

Cushing, J. (1963) 10-22515 M
Proc.int.Congr.Zool., 16(4):123-4
Blood groups and the systematics of marine animals

Pr 62-078me.
Abstract only.

Backus, R.H. (1963) 10-22516 M
Proc.int.Congr.Zool., 16(4):296-7
An unusual sound-scattering layer in the slope water off the northeastern United States

Diurnal changes in frequency of peak sound scattering correlated with vertical migration of the layer indicated a gas bubble scatterer. The presumed fish has not been definitely identified.
Pr 62-078me.
Abstract only.

Mead, G.W., E. Bertelson & D.M. Cohen (1963) 10-22517 M
Proc.int.Congr.Zool., 16(4):310
Reproduction in deep-sea fishes

Tenders reports of migrations, viviparity and hermaphroditism, and indicates the significance of the available information.
Pr 62-078me.
Abstract only.

Bonner, N. (1963) 10-22518 M
New Scient., 20(367):557
Cropping the fur seals

Hildebrand, H.H. (1963) 10-22519 M
Ciencia,Méx., 22(4):105-12
Hallazgo del área de anidación de la tortuga marina "lora", Lepidochelys kempi (Garman), en la costa occidental del Golfo de México (Rept.,Chel.)
(Discovery of the spawning sites of the marine turtle "lora", Lepidochelys kempi (Garman), on the western coast of the Gulf of Mexico (Rept.,Chel.)). En

First description of the sites.
Issued also as: Trab.Estac.Biol.mar., Veracruz, (2).

Taconnoux, M. (1963) 10-22520 M
France Pêche, (78):23-5
La recherche océanographique et la pêche
(Oceanographic research and fisheries)

Text of a lecture given at the Fisheries Congress at La Rochelle. Discusses problems concerning sardines, tuna, hake and other demersal fisheries.

ANON. (1963) 10-22521 M
France Pêche, (78):49-50
Fiche technique. La crevette. La crevette grise
(Fishery cards. Leander serratus. Cranson vulgaris)

Detachable cards, ill., giving biology, habitat, fishing, catch, commercial use of Leander serratus or Palaemon serratus and Crangon vulgaris.

Robinson, R.K. & D.E. Dimitriou 10-22522 M
(1963)
Tech.Ser.Fla Bd Conserv., (42):30 p.
The status of the Florida spiny lobster fishery, 1962-63

Total catch, catch per unit of effort, size composition of catch, optimum fishing pattern, occurrence of Phyllosoma larvae.

Bennet, B.R. (1963) 10-22523 M
Mar.Res., (2):28 p.
The incidence of larvae of Porrocaecum decipiens in the flesh of cod

Olafsson, D. (1963) 10-22524 M
Iceland Rev., 1(1):5-6
New trends in herring fishing

Outlines catch statistics and discusses briefly the introduction of electronic finding devices, hydraulic winches, and synthetic fibre ring nets, to the industry.

Holliday, F.G.T. (1963) 10-22525 M
Proc.roy.Soc.Edinb.(B), 68(3):208-14
Hermaphroditism in the herring (Clupea harengus L.)

Describes four specimens from Inverness, Firth, Fair Isle, East Anglia and the Dogger Bank.

Hallre, R. (1963) 10-22526 M
Simrad Echo, (7):8-9
Plane spotting or sonar to find fish?

Discusses experience off N. Chile searching for anchovy.

Japan. Ministry of Agriculture 10-22527 M
and Forestry. Statistics and
Survey Division (1963)C
98 p.
Statistical research report on the tuna longline fisheries, by fishing grounds April 1961 - March 1962. Ni

Statistics of Japanese fishing operations and catches of tunas by fishing grounds and areas based upon information reported by fishing vessels.

Gambell, R. (1963) 10-22528 M
Mar.Res., (4):31 p.
The Scottish whiting fishery in the North Sea 1955-1960

Importance of whiting in Scottish fishery; vessels and methods of capture; North Sea fishing grounds; annual and seasonal fluctuations; year-class strengths and fishery methods and scope of market sampling programme; age-composition, length-composition of whiting landings; mortality estimates; length-weight relationship of gutted whiting; weight-composition of landings; appendix - age-composition data for market landings.

Rae, B.B. (1963) 10-22529 M
Mar.Res., (3):23 p.
The food of the megrim

Investigations of Lepidorhombus whiff-iagonis over period 1938-1960. Collection and treatment of material. Distribution of megrim. Seasonal variations in feeding, proportions of stomachs containing food, volumes of food in the stomachs. Composition of stomach contents, North Sea, north and west of Scotland, the Oceanic Banks, Iceland. Volumetric analysis of stomach contents. Discussion of results and comparison with other species, feeding habits, annual feeding cycle, composition of the food, competition for food. Investigation described was commenced in late 1930s as part of a broader programme of research on flat-fishes abandoned in 1939.

Fitz, E.S.,Jr. & F.C. Daiber 10-22530 M
(1963)
Bull.Bingham oceanogr.Coll., 18(3):69-97
An introduction to the biology of Raja eglanteria Bosc 1802 and Raja erinacea Mitchill 1825 as they occur in Delaware Bay. Ru

Richards, S.W., D. Merriman & 10-22531 M
L.H. Calhoun (1963)
Bull.Bingham oceanogr.Coll., 18(3):5-67
Studies on the marine resources of southern New England 9. The biology of the little skate, Raja erinacea Mitchill. Ru

Breeding habits, early life history, size and growth, sex ratio, racial analysis, feeding habits, seasonal movements and fluctuations in abundance.

Tamura, T. & W.J. Wisby (1963) 10-22532 M
Bull.Mar.Sci.Gulf Caribb., 13(3):433-48
The visual sense of pelagic fishes especially the visual axis and accommodation. Es

Spain. Dirección General de Pesca Marítima (1963)C 10-22533 M
Madrid, 11 p.
Experiences about trawl selectivity in the Bay of Biscay
Experiencias sobre selectividad de artes de arrastre en el Golfo de Vizcaya

Describes zone for study, gear used, status of the populations and selectivity factors for main commercial fish in Biscay waters. Paper presented to ICES Comparative Fishing Committee, 1963.

Tulkki, P. (1963) 10-22534 M
Ark.Zool., 16(2):117-24
Notes on some shrimps from the west coast of Sweden

Notes on abundance, distribution and ecology of: Athanas nitescens, Hippolyte varians, Spirontocaris lilljeborgii, S. gaimardi, Lebbeus polaris, Eualus pusiolus, E. occultus, Thoralus cranchi, Caridion gordoni.

Ayers, R.J. & J.M. Meehan (1963) 10-22535 M
Invest.Rep.Fish.Comm.Ore., (2):180 p.
Catch locality, fishing effort, and length-frequency data for albacore tuna landed in Oregon, 1951-60

Bayliff, W.H. (1963) 10-22536 M
Bull.Inter-Amer.trop.Tuna Comm., 7(6):399-459
The food and feeding habits of the anchoveta, Cetengraulis mysticetus, in the Gulf of Panama
El alimento y los hábitos de alimentación de la anchoveta, Cetengraulis mysticetus, en el Golfo de Panamá

Anatomy and histology of feeding apparatus and digestive tract. Gill rakers, oesophagus and stomach, intestine. Stomach contents, juvenile fish, gross appearance, organisms in the stomachs, volume, tuna-boat samples. Adult fish, gross appearance, organisms in the stomachs, volume, tuna-boat samples, bottom samples. Mode of feeding, juvenile fish and adult fish. Validity of results. Appendix contains observations on identity of organisms found in stomachs of anchovetas.

McErlean, A.J. (1963) 10-22537 M
Tech.Ser.Fla Bd Conserv., (41):26 p.
A study of the age and growth of the gag, Mycteroperca microlepis Goode and Bean (Pisces: Serranidae) on the west coast of Florida

Age and growth study by otolith method, observations on reproduction.

Klawe, W.L. (1963) 10-22538 M
Bull.Inter-Amer.trop.Tuna Comm., 6(9):449-540
Observations on the spawning of four species of tuna (Neothunnus macropterus, Katsuwonus pelamis, Auxis thazard and Euthynnus lineatus) in the eastern Pacific Ocean, based on the distribution of their larvae and juveniles
Observaciones sobre el desove de cuatro especies de atún (Neothunnus macropterus, Katsuwonus pelamis, Auxis thazard y Euthynnus lineatus) en el Océano Pacífico oriental, basadas en la distribución de sus larvas y juveniles

Study of spawning area, time of spawning, and intensity of spawning is based on collections of larvae and juveniles from plankton tows, night-light collections, and stomachs of vertebrates. Examination of vertical distribution of larvae in closing-net hauls. Summarizes present knowledge of spawning of N. macropterus, K. pelamis, A. thazard and E. lineatus.

Favorite, F. & M.C. Hanavan (1963) 10-22539 M
Bull.int.N.Pacif.Fish.Comm., (11):57-72
Oceanographic conditions and salmon distribution south of the Alaska peninsula and Aleutian Islands, 1956

Joseph, J. (1963) 10-22540 M
Bull.Inter-Amer.trop.Tuna Comm., 8(1):1-30
Contributions to the biology of the engraulid Anchoa naso (Gilbert & Pierson, 1898) from Ecuadorian waters
Contribuciones a la biología del engraulido Anchoa naso (Gilbert & Pierson, 1898) de las aguas ecuatorianas

Growth, spawning season, development of ova, size at first maturity, fecundity, sex ratios.

FAO/UN (1963) 10-22541 M
Rep.FAO/EPTA, (1721):6 p.
Informe al gobierno de Guatemala sobre recursos de camarones basado en el trabajo de H.C. Loesch, biólogo de pesca marítima FAO/AT
(Report to the government of Guatemala on shrimp resources. Based on the work of H. C. Loesch, FAO/TA marine fisheries biologist)

Report on FAO project carried out under UN Expanded Program of Technical Assistance. Referred to also as: FAO Fish.EPTA Rep., (FIb/EPTA 38).

Crutchfield, J. & A. Zellner (1963) 10-22542 M
Fish.industr.Res., 1(1):173 p.
Economic aspects of the Pacific halibut fishery

Discusses the basic theory of international regulation of this fishery by Canada and the USA, analyses its economic effects and presents conclusions drawn from the analysis and their indications for public policy.

Nédélec, C. (1963) 10-22543 M
Sci.et Pêche, (114):1-3
Observations sur le hareng du sud de la mer du Nord et de la Manche orientale (Campagne d'hiver 1962-63)
(Observations on the southern herring of the North Sea and of the eastern English Channel (Winter cruise 1962-63))

Fishing grounds, fishing seasons and yield, size and age composition. Remarks on fishing craft and gear.

Whitehead, P.J.P. (1963) 10-22544 M
Bull.Brit.Mus.(nat.Hist.Zool.), 10(6):307-80
A revision of the recent round herrings (Pisces: Dussumieriidae)

Tibbo, S.N., D.J. Scarratt & P.W.G. McMullon (1963) 10-22545 M
J.Fish.Res.Bd Can., 20(4):1067-79
An investigation of herring (Clupea harengus L.) spawning using free-diving techniques

Thomson, J.A. (1963) 10-22546 M
J.Fish.Res.Bd Can., 20(4):1087-8
On the demersal quality of the fertilized eggs of Pacific cod, Gadus macrocephalus Tilesius

ANON. (1964) 10-22547 M
Fish.News,Lond., (2652):3
Russian scientists use sound to identify species

Sound classification of marine "animals" according to their ability to transmit or reflect acoustic waves has been made for the first time by Soviet acoustics specialists. "Animals" 10 to 150 mm in diam. and lacking a solid skeleton or rigid shell, eg. jellyfish, siphonofera, molluscs, and similar inhabitants of the ocean are "semi-reflectors of sound". The octopus proved to be "denser". Its body has a thin skeletal foundation, and it has been classified as a separate group. Higher crustaceans covered with a dense chitinous shell, up to 150 mm in size, in daytime form great accumulations at different depths, ranging from 200 to 700 m. A substantial effect of sound scattering is produced by fish. Especially noticeable sound dispersal, in the range of several kilocycles at least, is produced by fish possessing swim bladders. Soviet scientists consider that by using sound waves for locating accumulations of marine animals, it would be possible to determine the size and, in some instances, even the species of fish.

Marti, Yu.Yu. (1963)AC 10-22548 M
In 10-20091:55-67
Some similarities and differences under which boreal fish species exist in northeast and northwest Atlantic

En 8-06336.

Popova, O.A. (1963)AC 10-22549 M
In 10-20091:228-48
Some data on the feeding of cod in the Newfoundland area of the northwest Atlantic

En 8-06337.

Sidorenko, I.N. (1963)AC 10-22550 M
In 10-20091:249-55
Feeding of cod in the western Greenland waters

En 8-06338.

Kashintsev, M.L. (1963)AC 10-22551 M
In 10-20091:256-65
Some notes on rosefish feeding in the Newfoundland area

En 8-06339.

Yanulov, K.P. (1963)AC 10-22552 M
In 10-20091:266-76
Parasites as indicators of local rosefish stocks

En 8-06340.

Yanulov, K.P. (1963)AC 10-22553 M
In 10-20091:277-89
On the groups of rosefish (*Sebastes mentella* Travin) in the Labrador-Newfoundland area

En 8-06341.

Surkova, E.I. (1963)AC 10-22554 M
In 10-20091:290-304
Size and age composition of *Sebastes mentella* Tr. in the northwest Atlantic

En 8-06342.

Surkova, E.I. (1963)AC 10-22555 M
In 10-20091:305-10
Structural characteristics of scales in *Sebastes mentella* Travin of the northwest Atlantic

En 8-06343.

Zakharov, G.P. (1963)AC 10-22556 M
In 10-20091:311-23
Biology of the west Greenland *Sebastes marinus*

En 8-06344.

Mankevich, E.M. (1963)AC 10-22557 M
In 10-20091:324-37
Biological peculiarities of cod with different otolith structure in the northwest Atlantic

En 8-06345.

Postolakii, A.I. (1963)AC 10-22558 M
In 10-20091:338-48
Biology of the Labrador and Newfoundland cod

En 8-06346.

Mankevich, E.M. & V.S. Prokhorov (1963)AC 10-22559 M
In 10-20091:349-54
Size-age composition and spawning of the cod on the southwestern slope of the Flemish Cap Bank

En 8-06347.

Yanulov, K.P. (1963)AC 10-22560 M
In 10-20091:355-60
Age and growth of the American plaice in the northwest Atlantic

En 8-06348.

Yudanov, I.G. (1963)AC 10-22561 M
In 10-20091:361-70
Herrings of the northwestern part of the Atlantic Ocean

En 8-06349.

Bhushan, R.K.S.P. (1962) 10-22562 M
J.zool.Soc.India, 14:198-202
Eggs and early development of *Caranx* sp. from Porto Novo coast

BSEA 9(10)6911.

Rastogi, M. (1963) 10-22563 M
Agra Univ.J.Res., 12:345-62
Head skeleton of *Silonia silonia* (Ham.)

BSEA 9(10)6915.

Rastogi, V.B. (1963) 10-22564 M
Agra Univ.J.Res., 12:395-412
Endoskeleton of *Catla catla* (Ham.). 1. Skull

BSEA 9(10)6916.

Daniel, J.C. (1963) 10-22565 M
J.Bombay nat.Hist.Soc., 60:252-4
Stranding of a blue whale *Balaenoptera musculus* (Linn) near Surat, Gujarat with notes on earlier literature

BSEA 9(10)6941.

Sidel'nikov, I.I. & K.K. Sokolov (1961) 10-22566 M
Ryb.Promyshl., (8):34
Lov tuntsa v Iaponii koshel'kovymi nevodami
(Tuna fishing with purse nets in Japan)

Tikhomirov, E.A. (1961) 10-22567 M
Ryb.Promyshl., (8):10-2
Rasshiriat' dobychu largi
(Expand hunting of the common seal)

Verein, V.L. (1961) 10-22568 M
Ryb.Promyshl.dal.Vost., (9):11-2
Bliznetsovyi lov navagi
(Twin trawl fishing for navaga)

Koshkarov, B.G. (1961) 10-22569 M
Ryb.Promyshl.dal.Vost., (9):5-6
Nash opyt lova okunia. (Tralom)
(Our experience of trawl fishing for sea perch)

Bortsov, N.S. (1961) 10-22570 M
Ryb.Promyshl.dal.Vost., (9):7-9
O promysle treski na Kamchatke. Kak my lovim tresku sniurrevodom
(The Kamchatka cod fisheries. How we catch cod by net)

Maliakin, I.I. (1961) 10-22571 M
Ryb.Promyshl.dal.Vost., (9):7-9
O promysle treski na Kamchatke. Zapasi veliki
(The Kamchatka cod fisheries. The stocks are vast)

Dolbish, G.A. (1961) 10-22572 M
Ryb.Promyshl.dal.Vost., (10):26-7
Beringovomorskie ryby, kak istochnik vitamina A
(Bering Sea fishes as a source of vitamin A)

Polutsov, I.A. (1961) 10-22573 M
Ryb.Promyshl.dal.Vost., (10):13-5
Tsaritsa severnykh morei. Treska - nash vazhnyi rezerv
(The queen of the northern seas. The cod, one of our important resources)

Buzanova, A.M. (1961) 10-22574 M
Ryb.Promyshl.dal.Vost., (11):10-2
Okhotias' za morskimi ispolinami ... Osobennosti raspredeleniia kitov v dal'nevostochnykh vodakh i perspektivy razvitiia ikh promysla
(Hunting the giants of the sea ... whale distribution in Far Eastern waters and development prospects for whaling)

Gopta, A. (1961) 10-22575 M
Ryb.Promyshl.dal.Vost., (12):29
Kolkhoznyi flot na dobyche sairy
(A collective farm fleet engaged in saury fishing)

Osipov, V.G. (1961) 10-22576 M
Ryb.Promyshl.dal.Vost., (12):11-5
Iuzhnye moria zhdut nashikh rybakov (Polosatyi tunets - perspektivnyi ob'ekt promysla)
(The south seas are waiting for our fishermen. The striped tuna, a promising commercial fish)

Polutov, I. & I. Kurenkov (1961) 10-22577 M
Ryb.Promyshl.dal.Vost., (12):22-3
Rasshiriat' promysel krevetok na Kamchatke
(Expand the Kamchatka shrimp industry)

Aiushin, B.N. (1961) 10-22578 M
Ryb.Promyshl.dal.Vost., (1):14-7
Segodnia i zavtra nashei sel'di. Sostoianie zapasov stad sel'di v moriakh Dal'nego Vostoka i perspektivy ikh promysla
(The herring, now and in the future: present level of herring populations in the Far Eastern seas and the industry's prospects)

Duzhii, K. (1961) 10-22579 M
Ryb.Promyshl.dal.Vost., (1):56-7
Opyt lova krevetok. Zarubezhnyi opyt
(Foreign experience in shrimp catching)

Bodarova, V. (1961) 10-22580 M
Ryb.Promyshl.dal.Vost., (2):18-9
Ohto meshaet vosproizvodstvu lososevykh. (Intensivnyi lov lososevykh iaponskimi rybopromyshlennikami)
(Intensive fishing by the Japanese is preventing the replenishment of salmon populations)

Nakamura, E.L. (1965) 10-22581 M
Trans.Amer.Fish.Soc., 94(3):236-42
Food and feeding habits of skipjack tuna (Katsuwonus pelamis) from the Marquesas and Tuamotu Islands

Wigley, R.L. & R.B. Theroux (1965) 10-22582 M
Trans.Amer.Fish.Soc., 94(3):243-51
Seasonal food habits of highlands ground haddock

Stomach contents of 941 specimen of Melanogrammus aeglefinus caught off Cape Cod northwest Atlantic were examined.

Berry, J.R., S.B. Saila & D.B. Horton (1965) 10-22583 M
Trans.Amer.Fish.Soc., 94(3):259-64
Growth studies of winter flounder, Pseudopleuronectes americanus (Walbaum), in Rhode Island

Watson, J.E. (1965) 10-22584 M
Trans.Amer.Fish.Soc., 94(3):267-8
A technique for mounting and storing herring otoliths

Dawson, C.E. (1965) 10-22585 M
Trans.Amer.Fish.Soc., 94(3):279-80
Length-weight relationships of some Gulf of Mexico fishes

For 17 spp. (of 16 genera) "c" and "n" values were calculated.

Joubert, L.S. (1965) 10-22586 M
Invest.Rep.oceanogr.Res.Inst.,Durban, (11): 32 p.
A preliminary report on the penaeid prawns of Durban Bay

Gives the taxonomy of seven spp., Penaeus japonicus, P. latisulcatus, P. canaliculatus, P. semisulcatus, P. monodon, P. indicus, and Metapenaeus monoceros.

Burger, J.W. (1965) 10-22587 M
Physiol.Zoöl., 38(3):191-6
Roles of the rectal gland and the kidneys in salt and water excretion in the spiny dogfish

Study on Squalus acanthias; deals with long term effects of removal of the gland, comparative effects of salt-loading in fish with or without gland, the ability of fish to defend against external dilution, and effects of feeding on plasma osmolarity.

Arnold, J.M. (1965) 10-22588 M
Biol.Bull.,Woods Hole, 129(1):72-8
The inductive role of the yolk epithelium in the development of the squid, Loligo pealii (Lesueur)

Zein-Eldin, Z.P. & D.V. Aldrich (1965) 10-22589 M
Biol.Bull.,Woods Hole, 129(1):199-216
Growth and survival of postlarval Penaeus aztecus under controlled conditions of temperature and salinity

Marshall, N.B. (1964) 10-22590 M
Copeia, (1):86-93
Bathypelagic macrourid fishes

Describes two monotypic genera, Cynomacrurus and Odontomacrurus, known only from individuals (including mature ones) caught in midwater nets.

Maul, G.E. (1964) 10-22591 M
Copeia, (1):93-7
Observations on young live Mupus maculatus (Günther) and Mupus ovalis (Valenciennes)

Tortonese, E. (1964) 10-22592 M
Copeia, (1):98-107
The main biogeographical features and problems of the Mediterranean fish fauna

The Mediterranean fish fauna comprises about 550 spp. The largest group is Atlantic (Boreal, West African, or Amphi-Atlantic). Other spp. are endemic or cosmopolitan. Deep-sea fishes are scarce; four spp. only have been found below 2,000 m. There are now about 30 Indo-Pacific spp. which have immigrated from the Red Sea through the Suez Canal.

Trewavas, E. (1964) 10-22593 M
Copeia, (1):107-17
The sciaenid fishes with a single mental barbel

A new genus, DENDROPHYSA, is proposed, distinguished from Umbrina by the structure of the barbel as well as the bladder. The old world spp. of Umbrina are reviewed. Menticirrhus is considered to come within the tribe Umbrinini. Pachypops and related genera have a gas bladder suggesting relationship with the West African Pseudotolithini.

Orton, G.L. (1964) 10-22594 M
Copeia, (1):144-50
The eggs of scomberesocid fishes

Discusses problems of egg identification of Cololabis saira, Scomberesox saurus and Cololabis adocetus.

Wheeler, A. (1964) 10-22595 M
Copeia, (1):165-9
Rediscovery of the type specimen of Forcipiger longirostris (Broussonet) (Perciformes-Chaetodontidae)

Discusses the relationship between Forcipiger longirostris (Broussonet) and F. cyzano Randall from the Indo-Pacific.

Strasburg, D.W. (1964) 10-22596 M
Copeia, (1):228-9
A possible breakdown in symbiosis between fishes

Documents six instances of echeneids eaten by large fish and gives an estimate of the frequency of such a phenomenon.

Penrith, M.J. (1964) 10-22597 M
Copeia, (1):231-2
A marked extension of the known range of Tetrapterus angustirostris in the Indian Ocean

Boyar, H.C. (1964) 10-22598 M
Copeia, (1):232-3
Occurrence of the Greenland halibut, Reinhardtius hippoglossoides (Walbaum), in shallow waters in the Gulf of Maine

Gutherz, E.J. (1964) 10-22599 M
Copeia, (1):234
A range extension of the rare argentinoid fish, Xenophthalmichthys danae (Microstomidae)

Joseph, E.B. & S.H. Vernick (1964) 10-22600 M
Copeia, (1):236-7
An abnormality associated with larval mortality of the naked goby, Gobiosoma bosci (Lacépède)

Peden, A.E. & K.W. Stewart (1964) 10-22601 M
Copeia, (1):239-40
Extension of the known range of the atherinid fish, Atherinops affinis

Williams, G.C., S.W. Richards & E.G. Farnworth (1964) 10-22602 M
Copeia, (1):242-3
Eggs of Ammodytes hexapterus from Long Island, New York

Rogers, S.H. (1965) 10-22603 M
Comm.Fish.Rev., 27(8):1-6
Herring fishery in southeastern Alaska

Concerns catches and processing for meal and oil of Clupea harengus pallasii.

LeGuen, J.C., F. Poinsard & J.P. Troadec (1965) 10-22604 M
Comm.Fish.Rev., 27(8):7-18
The yellowfin tuna fishery in the eastern Tropical Atlantic

Gives data on catch per unit effort by live-bait boats, fishing areas, influence of oceanographic conditions on the results of catch of Thunnus albacares.

Johansson, A.S. & B. Schreiner (1965) 10-22605 M
Gen.comp.Endocr., 5:558-67
Neurosecretory cells, in the ventral ganglia of the lobster, Homarus vulgaris L.

Horridge, G.A. (1965) 10-22606 M
Nature,Lond., 207(5004):1413-4
A direct response of the crab Carcinus to the movement of the sun

Pearcy, W.G., S.L. Meyer & O. Munk (1965) 10-22607 M
Nature,Lond., 207(5003):1260-2
A ' four-eyed ' fish from the deep-sea: Bathylychnops exilis Cohen, 1958

Morris, D., G. Bull & C.O. Hebb (1965) 10-22608 M
Nature,Lond., 207(5003):1295
Acetylcholine in the electric organ of Torpedo

Mago Leccia, F. (1965) 10-22609 M
Bull.Mar.Sci., 15(2):274-330
Contribución a la sistemática y ecología de los peces de la Laguna de Unare, Venezuela
(A contribution to the systematics and ecology of the fishes of Unare Lagoon, Venezuela). En

Robins, C.R. & J.E. Randall (1965) 10-22610 M
Bull.Mar.Sci., 15(2):331-7
Symphurus arawak, a new cynoglossid fish from the Caribbean Sea, with notes on Symphurus rhytisma and Symphurus ommaspilus. Es

Ewald, J.J. (1965) 10-22611 M
Bull.Mar.Sci., 15(2):436-49
The laboratory rearing of pink shrimp, Penaeus duorarum Burkenroad. Es

Pierce, E.L. (1965) 10-22612 M
Bull.Mar.Sci., 15(2):480-94
The distribution of lancelets (Amphioxi) along the coasts of Florida. Es

Robins, C.R. & D.C. Tabb (1965) 10-22613 M
Bull.Mar.Sci., 15(2):495-511
Biological and taxonomic notes on the blue croaker, Bairdiella batabana. Es

Sadowsky, V. (1965) 10-22614 M
Bull.Mar.Sci., 15(1):1-12
The hammerhead sharks of the littoral zone of São Paulo, Brazil, with the description of a new species. Es

Deals with the geographic distribution of the sharks of the genus Sphyrna in the western South Atlantic. Sp. nov. is Sphyrna nana.

Clark, E. & K. von Schmidt (1965) 10-22615 M
Bull.Mar.Sci., 15(1):13-83
Sharks of the central Gulf coast of Florida. Es

Most abundantly were represented the genera: Carcharhinus, Negaprion, Sphyrna, Galeocerdo, Ginglymostoma, Scoliodon, Mustelus, Carcharias.

Eschmeyer, W.N. (1965) 10-22616 M
Bull.Mar.Sci., 15(1):84-164
Western Atlantic scorpionfishes of the genus Scorpaena, including four new species. Es

Descriptions, distribution, habitat preferences, synonymies for 16 spp. living in waters from U.S.A. shores to Brazil, are given.

Gould, W.R. (1965) 10-22617 M
Bull.Mar.Sci., 15(1):165-88
The biology and morphology of Acyrtops beryllinus, the emerald clingfish. Es

Description, ecology, habitats of A. (Gobiesox) beryllinus, living in the beds of Thalassia offshore Florida.

Robins, C.R. & D.P. de Sylva (1965) 10-22618 M
Bull.Mar.Sci., 15(1):189-201
The Kasidoroidae, a new family of mirapinniform fishes from the western Atlantic Ocean. Es

A new family of bathy-pelagic fishes is described, from localities near Bermuda and northeast of the Bahamas.

Arnold, J.M. (1965) 10-22619 M
Bull.Mar.Sci., 15(1):216-22
Observations on the mating behavior of the squid Sepioteuthis sepioidea. Es

Tandon, K.K. (1964) 10-22620 M
Indian J.Fish., 9(1):10-36
Biology and fishery of choo parai - Selaroides leptolepis (Cuvier and Valenciennes). 3. Population studies

Relation between fork length and total length; test of linearity of the regression of fork length on total length; statistical analyses of the morphometric and meristic characters from data collected at different centres.

Shibata, K. & S. Yada (1963) 10-22621 M
Bull.Fac.Fish.Nagasaki, (15):49-58
(Analysis of fish finder records. 3. On a dynamical study of external force on the tuna longline and control of the hook depth). Ni En

Experiment carried out on the developing tuna longline method in the Philippine Sea to ascertain the ideal method of operation.

Shibata, K. (1963) 10-22622 M
Bull.Fac.Fish.Nagasaki, (15):59-84
(Analysis of fish finder records. 4. Report on the deep scattering layers and tuna food (1)). Ni En

Diurnal migration of deep scattering layers; composition of trawl catch and diurnal variation; stomach contents of longline-caught tuna.
Co 110-22621.

Katoh, G. (1964) 10-22623 M
Bull.Japan Sea Fish.Res.Lab., (13):31-42
(A few comments on the biological grouping of the common squid derived from its ecological aspect. 3.). Ni En

Study, with reference to sexual condition and size, of population of Ommastrephes sloani pacificus which visits waters of Oki Is., Shimane prefecture, supposedly at a definite time each year.

Doty, M.S. & I.A. Abbott (1964) 10-22624 M
Pacif.Sci., 18(4):441-52
Studies in the Helminthocladiaceae. 3. Liagoropsis

Distribution; ill. description and systematic discussion.

Hotta, H. (1964) 10-22625 M
Bull.Tohoku Fish.Res.Lab., (24):81-7
(Diagnostic study of fishes in stomachs of piscivors. 2. Bramiformes; Lipidotidae (Bramidae) and Pteraclidae). Ni En

Ill. description of axial skeleton of Taractichtys longipinnis, Steinegeria rubescens, Lepidotus brama (Brama raii) and Betenia aesticola.
Co 9-01363.

Okutani, K. & M. Kimata (1964) 10-22626 M
Bull.Jap.Soc.sci.Fish., 30(6):490-4
(Studies on chitinolytic enzyme present in aquatic animals. 2. The chitinolytic enzyme present in the liver of Japanese sea-bass, Lateolabrax japonicus). Ni En

Okutani, K. & M. Kimata (1965) 10-22627 M
Bull.Jap.Soc.sci.Fish., 31(3):232-7
(Studies on chitinolytic enzyme present in aquatic animals. 4. On properties of the chitinolytic enzyme present in the stomach of Japanese sea-bass, Lateclabrax japonicus). Ni En

Observation of chitinase activity by decreasing substrate (precipitated chitin); relation between optical density and amount of P.Ch.; decrease of P.Ch. and formation of NGA at 80 minutes incubation; effect of pH and temperature on the hydrolysis of P.Ch. by the enzyme.
CR 10-22626.

Maeda, H. (1963)A 10-22628 M
Res.Popul.Ecol., 5(2):74-86
Distribution pattern of groundfishes hooked along a row of setline in the shallower part of the continental slope in the Bering Sea. 2. Bathymetric difference in relative abundance in relation to distribution pattern. Ni

Maeda, H. (1964) 10-22629 M
Bull.Jap.Soc.sci.Fish., 30(8):624-9
Distribution pattern of groundfishes hooked along a row of setline in the shallower part of the continental slope in the Bering Sea. 3. Distribution near the outer edge of the continental shelf

Description of sampling method and analysis of results.
Co 10-22628.

Mizue, K., K. Yoshida & Y. Masaki (1965) 10-22630 M
Bull.Fac.Fish.Nagasaki, (18):7-29
(Studies on the little toothed whales in the west sea area of Kyusyu. 12.). Ni En

Ill. observations on colouration; characteristics of head and fins; growth; osteology; formation of teeth; reproduction.
CR 9-10466.

U.K. White Fish Authority (1964) 10-22631 M
Res.Dev.Bull.White Fish Auth., (3):3 p.
Fish cultivation

Deals with hatching and culture of marine fish in the U.K.

Koto, T. (1964) 10-22632 M
Rep.Nankai Fish.Res.Lab., (20):17-25
(Studies on the albacore. 10. The length frequency distribution of albacore in the central North Pacific longline ground).
Ni En

Study undertaken to ascertain abundance of the pre-exploited stock in order to make possible a forecast of abundance in the subsequent fishing season.

Machii, A. (1964) 10-22633 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1073-7
(Studies on the histology of the pearl-sac,. 9. Histochemical demonstration of the phospholipids in the pearl-sac). Ni
En

Distribution of phospholipids in tissues of the pearl-sac of the pearl oyster, Pinctada martensii (Dunker), demonstrated by the Baker's acid hematein test (Baker, 1946).

Sawada, Y. & M. Taniguchi (1964) 10-22634 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1065-72
(Biochemical studies on the pearl oyster. 8. The seasonal variations in the growth of the pearl oyster and the chemical components of its soft tissue). Ni

Yamaguchi, K. (1964) 10-22635 M
Bull.nat.Pearl Res.Lab.Mie Pref., (9):1128-34
(Studies on the technique so called "atozuke" (one of the methods of nuclear insertion in pearl culture). 6. On the period from nuclear insertion to mantle piece insertion). Ni

Seki, H. & N. Taga (1965) 10-22636 M
J.oceanogr.Soc.Japan, 20(6):272-7
Microbiological studies on the decomposition of chitin in marine environment. 6. Chitinoclastic bacteria in the digestive tracts of whales from the Antarctic Ocean

Determination of heterotrophic bacteria in the gastrointestinal contents of baleen whales stored at 5 degrees C and 20 degrees C respectively for 4-5 months.
Co 9-11132.

Pillai, R.S. (1963) 10-22637 M
J.Mar.biol.Ass.India, 5(2):269-72
Studies on the shrimp Caridina laevis Heller. 6. The integument

Detailed discussion of the structure of the integument in C. laevis.
CR 8-10247.

Hotta, H. (1964) 10-22638 M
Bull.Tohoku Fish.Res.Lab., (24):48-64
(Fluctuation in the abundance of saury on the northeastern Sea of Japan. 4.). Ni
En

Discussion of correlation between a regular population cycle and the fluctuation of fishing conditions during 1929-1963.
Co 9-09460.

Hotta, H. (1964) 10-22639 M
Bull.Tohoku Fish.Res.Lab., (24):65-72
(Fluctuation in the abundance of saury on the northeastern Sea of Japan. 5.). Ni
En

Discussion of cyclic fluctuations in the population structure and locality of the fishing grounds.
Co 10-22638.

Larkins, H.A. (1964) 10-22640 M
Trans.Amer.Fish.Soc., 93(3):286-90
Some epipelagic fishes of the North Pacific Ocean, Bering Sea, and Gulf of Alaska

Powell, G.C. (1964) 10-22641 M
Trans.Amer.Fish.Soc., 93(3):295-300
Fishing mortality and movements of adult male king crabs, Paralithodes camtschatica (Tilesius), released seaward from Kodiak Island, Alaska

Carr, A. (1965) 10-22642 M
Sci.Amer., 212(5):78
The navigation of the green turtle

McAllister, D.E. & E.I.S. Rees (1963) 10-22643 M
Bull.nat.Mus.Can.(Zool.), (199):85-109
A revision of the eelpout genus Melanostigma with a new genus and with comments on Maynea. Fr

Morphology, biology, and distribution of 3 species of the genus (family Zoarcidae) is discussed.

Grinols, R.B. & H. Heyamoto (1965) 10-22644 M
J.Fish.Res.Bd Can., 22(5):1151-64
Description, distribution, and taxonomic status of two species of Alepocephalidae from the northeastern Pacific Ocean

Talismania bifurcata and Alepocephalus tenebrosus are described.

Macnab, H.C. & K. Ronald (1965) 10-22645 M
J.Fish.Res.Bd Can., 22(5):1299-301
Blood clotting time of the Atlantic cod, Gadus morhua

Templeman, W. (1965) 10-22646 M
J.Fish.Res.Bd Can., 22(4):899-912
Some resemblances and differences between Raja erinacea and Raja ocellata, including a method of separating mature and large-immature individuals of these two species

A comparative study concerning fishes from northwest Atlantic (Nova Scotia Shelf, New Foundland Bank, Georges Bank).

Saila, S.B., D.B. Horton & R.J. Berry (1965) 10-22647 M
J.Fish.Res.Bd Can., 22(4):945-54
Estimates of the theoretical biomass of juvenile winter flounder, Pseudopleuronectes americanus (Walbaum) required for a fishery in Rhode Island

Chew, K.K., A.K. Sparks & S.C. Katkansky (1965) 10-22648 M
J.Fish.Res.Bd Can., 22(4):1099-1101
Preliminary results on the seasonal size distribution of Mytilicola orientalis and the effect of this parasite on the condition of the Pacific oyster, Crassostrea gigas

Scarratt, D.J. (1965) 10-22649 M
J.Fish.Res.Bd Can., 22(4):1103-4
Predation on lobsters (Homarus americanus) by Anonyx sp. (Crustacea, Amphipoda)

Lever, R.J.A.W. (1964) 10-22650 M
S.Pacif.Bull.(Fr), 14(2):19-22
La chasse à la baleine dans le Pacifique Ouest
(Whaling in the western Pacific)

Short review on whaling in Melanasia and Polynesia. Contains data on Physeter catodon, Balaena antipodarum, Megaptera novaeangliae and Orcinus orca.

ANON. (1964) 10-22651 M
S.Pacif.Bull.(Fr), 14(2):39-42
Rapport sur les programmes d'étude des intoxications par le poisson
(Report on the research program on poisoning produced by fish)

Summary of research on Lutjanus bohar, L. minutus, Plectropomus trucatus, Caranx lessonii and others.

Talwar, P.K. (1964) 10-22652 M
Indian J.Fish., 9(1):1-9
Studies on the food and feeding relationships of the halfbeak fishes (Hemirhamphidae) from the Gulf of Mannar and Palk Bay

Dhulkhed, M.H. (1964) 10-22653 M
Indian J.Fish., 9(1):37-47
Observations on the food and feeding habits of the Indian oil sardine, Sardinella longiceps Val.

George, M.J. (1964) 10-22654 M
Indian J.Fish., 9(1):110-6
On the breeding of penaeids and the recruitment of their postlarvae into the backwaters of Cochin

Pradhan, L.B. & C.V.G. Reddy (1964) 10-22655 M
Indian J.Fish., 9(1):100-9
Fluctuations in mackerel landings at Calicut in relation to hydrographical factors

Catches of Rastrelliger canagurta in relations to temperature and salinity variations.

Jones, S. & M. Kumaran (1964) 10-22656 M
Indian J.Fish., 9(1):155-67
Notes on eggs, larvae and juveniles of fishes from Indian waters. 12. Myripristis murdjan (Forskal). 13. Holocentrus sp.

Talwar, P.K. (1964) 10-22657 M
Indian J.Fish., 9(1):168-96
A contribution to the biology of the halfbeak, Hyporhamphus georgii (Cuv. & Val.) (Hemirhamphidae)

Moulton, J.M. (1963) 10-22658 M
Ergebn.Biol., 26:27-39
Acoustic orientation of marine fishes and invertebrates

LZ 9(10)9039.

Kawasaki, T. (1965) 10-22659 M
Fishery Res.Ser.,Tokyo, (8-1):48 p.
(Ecology and dynamics of the skipjack population. 1.). Ni

Kawasaki, T. (1965) 10-22660 M
Fishery Res.Ser.,Tokyo, (8-2):108 p.
(Ecology and dynamics of the skipjack population. 2.). Ni

Co 10-22659.

Heydorn, A.E.F. (1965) 10-22661 M
Invest.Rep.Div.Fish.S.Afr., (53):32 p.
The rock lobster of the South African west coast Jasus lalandii (H.Milne-Edwards). 1. Notes on the reproductive biology and the determination of minimum size limits for commercial catches

Pauley, G.B. & A.K. Sparks 10-22662 M
(1965)
J.Invert.Path., 7(2):248-56
Preliminary observations on the acute inflammatory reaction in the Pacific oyster, Crassostrea gigas (Thunberg)

ANON. (1963) 10-22663 M
S.Afr.Shipp.News Fish.Ind.Rev., 18(11): 61-3
Intensive search for anchovy along the Cape west coast

Engraulis japonicus, the South African anchovy was the subject of experiments.

Kruuk, H. (1963)A 10-22664 M
Neth.J.Sea Res., 2(1):1-28
Diurnal periodicity in the activity of the common sole, Solea vulgaris Quensel

Kudelina, E.N. & 10-22665 M
A.N. Novozhiliva (1961)C
In 10-20151
Kormovaia baza ryb planktofagov Azovskogo moria v 1960 godu i vliianie ee na ikh chislennost'
(The food base of plankton-eating fishes of the Sea of Azov in 1960 and its effect on their numbers)

Stark, I.N. & M.Ia. Nekrasova 10-22666 M
(1961)C
In 10-20151
Kormovaia baza bentosoiadnykh ryb 1960 g. i ee vliianie na ikh chislennost'
(The food base of benthos-eating fishes in 1960 and its effect on their numbers)

Kotel'nikova, T.G. (1961)C 10-22667 M
In 10-20151
Mechenie azovskikh ryb v 1960 godu
(The tagging of Azov fishes in 1960)

Smirnov, A.N. (1961)C 10-22668 M
In 10-20151
Vliianie ekologicheskikh faktorov na chislennost' molodi ryb v Taganrogskom zalive
(The effect of ecological factors on the numbers of fish fry in Taganrog Bay)

Grudinin, P.I. (1961)C 10-22669 M
In 10-20151
Usloviia i rezul'taty razmnozheniia azovskoi khamsy v 1960 godu
(Conditions and results of the breeding of the Azov anchovy in 1960)

Danukova, K.P. (1961)C 10-22670 M
In 10-20151
Usloviia razmnozheniia bychka-krugliaka v 1960 godu
(Breeding conditions of Neogobius melanostomus in 1960)

Kudelina, E.N. (1961)C 10-22671 M
In 10-20151
K voprosu o sutochnom ratsione mal'kov ratana i krugliaka
(A note on the daily ration of Neogobius syrman and Neogobius melanostomus fry)

Reikh, E.M. (1961)C 10-22672 M
In 10-20151
O pitanii molodi azovskikh bychkov krugliaka i sirmana na rannikh stadiiakh razvitiia v 1960 godu
(The nutrition of Azov Neogobius melanostomus and N. syrman fry in the early stages of development in 1960)

Berbetova, T.S. & V.K. Rashcheperin (1961)C 10-22673 M
In 10-20151
Otsenka ulovistosti razlichnykh issledovatel'skikh orudii lova i metodika kolichestvennogo ucheta molodi bychka-krugliaka v Azovskom more
(Evaluation of the catching capacity of various catching implements employed in research and the procedure for quantitative calculation of Neogobius melanostomus fry in the Sea of Azov)

Pleskachevskaia, T.G. (1961)C 10-22674 M
In 10-20151
Kormovaia tsennost' artemii saliny i ee razvedenie
(The food value of Artemia salina and its rearing)

Orlov, Iu. (1961) 10-22675 M
Rybovod.i Rybolov., (6):49
Kamchatskii krab v Barentsevom more
(The Kamchatka crab in the Barents Sea)

Krivoshei, E.E. (1960) 10-22676 M
Uchen.Zap.odess.biol.Stants., (2):107-9
Individual'naia plodovitost' krevetok Leander squilla (L) i Leander adspesus (Pathue) iz nekotorykh limanov severo-zapadnogo Prichernomor'ia
(Individual fertility of the prawns Leander squilla (L) and Leander adspesus (Pathue) from certain lagoons in the north-west of the Black Sea). Uk
Ru

Pogrebniak, I.I. (1960) 10-22677 M
Uchen.Zap.odess.biol.Stants., (2):104-6
Znachenie fitobentosa v pitanii kefali i bychkov v nekotorykh limanakh severo-zapadnogo Prichernomor'ia
(Importance of phytobenthos in mullet and bullhead diet in certain lagoons in the north-west of the Black Sea area). Uk
Ru

Miller, P.J. (1965) 10-22678 M
Nature,Lond., 208(5009):474-5
Relictogobius kryzhanovskii and the penetration of Mediterranean gobies into the Black Sea

Rattazzi, M.C. & C. Pik (1965) 10-22679 M
Nature,Lond., 208(5009):489-90
Haemoglobin polymorphism in the cod (Gadus morrhua): a single peptide difference

Baxter, I.G. (1963) 10-22680 M
Scot.Fish.Bull., (20):5-9
Herring tagging experiments in the Minch

Robins, C.R. & J.E. Böhlke (1964)A 10-22681 M
Notul.nat.Acad.Philad., (363):1-6
Two new Bahaman gobiid fishes of the genera Lythrypnus and Garmannia

Hillaby, J. (1965) 10-22682 M
New Scient., 26(442):358-60
Death of the big whales?

Discusses the crisis in the whaling industry and the urgent need for protection of Antarctic stocks of whales.

Feng, S.Y. (1965) 10-22683 M
Biol.Bull.,Woods Hole, 128(2):198-210
Heart rate and leucocyte circulation in Crassostrea virginica (Gmelin)

Ropes, J.W. & A.P. Stickney (1965) 10-22684 M
Biol.Bull.,Woods Hole, 128(2):315-27
Reproductive cycle of Mya arenaria in New England

Azhar Hasan, S. (1964) 10-22685 M
Pakist.J.Sci., 16(3/4):141-5
Maturity of gonads, spawning and seasonal variations in the population of marine male and female oysters of Karachi coast

Soin, S.G. (1961) 10-22686 M
Trudy novorossiisk.biol.Stants., 1961:81-95
Embrional'no-lichinochnye prisposobleniia k dykhaniiu u morskikh igl (Syngnathidae) i morskikh sobachek (Blenniidae)
(Embryonic and larval respiratory adaptations in pipe-fishes, Syngnathidae, and in Blenniidae)

Fedorov, S.S. (1961) 10-22687 M
Ryb.Khoz., (11):9-13
O promysle sel'dei Severnogo moria
(The North Sea herring industry)

Shaverdov, R.S. (1961) 10-22688 M
Ryb.Khoz., :14-9
O krupnoi stavride Chernogo moria
(The Black Sea giant mackerel)

Shul'man, G.E. (1961) 10-22689 M
Priroda,Moskva, (11):105-6
Azovskaia khamsa. Kr.biologicheskaia kharakteristika
(The Azov anchovy: a brief biological account)

Semko, R.S. (1961) 10-22690 M
Trud.Soveshch.ikhtiol.Kom., 13
Sovremennye izmeneniia chislennosti tikhookeanskikh lososei i ikh osnovnye prichiny
(Present-day fluctuations in the numbers of Pacific Salmonidae and the underlying causes)

Explains the basic causes of decreasing catch and considerable worsening of biological conditions for reproduction. Formulates practical measures designed to preserve the salmon resources in Far Eastern regions of USSR and NW Pacific.

Kuznetsov, V.V. (1961) 10-22691 M
Trud.Soveshch.ikhtiol.Kom., 13
Mnogoletnie kolebaniia chislennosti sel'di i drugie periodicheskie iavleniia v Belom more
(Long-term fluctuations in the numbers of the herring and other periodic phenomena in the White Sea)

Shubnikov, D.A. (1961) 10-22692 M
Trud.Soveshch.ikhtiol.Kom., 13
Nekotorye osobennosti lineinogo rosta atlanticheskо-skandinavskoi sel'di v letnii period
(Some distinctive features of the linear growth of the Atlantic and Scandinavian herring in the summer)

Anokhina, L.E. (1961) 10-22693 M
Trud.Soveshch.ikhtiol.Kom., 13
O sviazi plodovitosti, zhirnosti ryb i izmenchivosti razmerov ikrinok u sel'devykh
(The connexion between fertility, fish quality and variability of roe size in Clupeidae)

Dekhnik, T.V. (1961) 10-22694 M
Trud.Soveshch.ikhtiol.Kom., 13
Pokazateli eliminatsii v embrional'nyi i lichinochnyi periody razvitiia chernomorskoi khamsy
(Indices of elimination in the embryonic and larval development periods of the Black Sea anchovy)

Rannak, L.A. (1961) 10-22695 M
Trud.Soveshch.ikhtiol.Kom., 13
Sootnoshenie rosta i polovogo sozrevaniia vesennenerestuiushchei salaki
(The relationship between growth and sexual maturation in the spring-spawning Baltic herring)

Chepurnov, A.V. (1961) 10-22696 M
Trud.Soveshch.ikhtiol.Kom., 13
O sviazi izmenchivosti kolichestva piloricheskikh pridatkov u raznykh form atlanticheskoi sel'di s obespechennost'iu ikh pishchei. (Tezisy dokl.)
(The connexion between food supply and variability of the number of pyloric appendages in various forms of Atlantic herring. Abstract)

Taranenko, N.F. (1961) 10-22697 M
Trud.Soveshch.ikhtiol.Kom., 13
Izmenenie biologicheskikh pokazatelei i ikh prisposobitel'noe znachenie na primere chernomorskoi i azovskoi khamsy
(The alteration of biological indices and their adaptive significance, taking the Black Sea and Azov anchovies as an example)

Pravotorova, E.P. (1961) 10-22698 M
Trud.Soveshch.ikhtiol.Kom., 13
O dinamike chislennosti gizhiginskogo stada sel'di
(The population dynamics of the Gizhiginskaia Bay herring)

Babaian, K.E. (1961) 10-22699 M
Ryb.Khoz., (7):12-6
Rezervy uvelicheniia dobychi kefali v SSSR
(Reserves for improving the mullet catch in the USSR)

Prikhod'ko, B.I. (1961) 10-22700 M
Ryb.Khoz., (8):20-4
O letne-osennem promysle kaspiiskoi obyknovennoi kil'ki
(The Caspian sprat fisheries in the spring and summer)

Olson, F.C.W. (1964) 10-22701 MG
J.Cons., 29(1):115-6
Letter to the editor. The survival value of fish schooling

Discusses the probability of finding a solitary or a schooling fish by a predator.

Armstrong, C.M. & L. Binstock (1965) 10-22702 MG
J.gen.Physiol., 48(5):859-73
Anomalous rectification in the squid giant axon injected with tetraethylammonium chloride

Djahanparwar, B., R. Nanba & R.v. Baumgarten (1965) 10-22703 MG
Pflügers Arch.ges.Physiol., 283(4):R61-R62
Spezifsche Erregungsmuster einzelner Fasern des Tractus olfactorius lateralis des Fisches bei Reizung mit verschiedenen Substanzen
(Specific stimulation samples in single filaments of the tractus olfactorius lateralis of fish stimulated with various substances)

Sjodin, R.A. (1965) 10-22704 MG
J.gen.Physiol., 48(5):83
A conference on newer properties of perfused squid axons

Sembrat, K. (1963)A 10-22705 MG
Proc.int.Congr.Zool., 16(2):158
Differences in accumulation of ^{131}I in the thyroids of sharks and lizards

Pr 62-078me.
Abstract only.

Griffin, D.R. (1963) 10-22706 MG
Proc.int.Congr.Zool., 16(4):382-3
Acoustical orientation

Includes notes on echo-location by the porpoise *Tursiops*, and the fish-eating bat *Noctilio*.
Pr 62-078me.
Abstract only.

Sindermann, C.J. & K.A. Honey (1964) 10-22707 MG
Copeia, (1):139-44
Serum hemagglutinins of the winter skate, *Raja ocellata* Mitchill, from the western North Atlantic Ocean

Two erythrocyte isoantigens have been demonstrated in the winter skate with serum agglutinins. Individual skate sera were found, with cross-matching tests and absorption analysis, to contain both, either, or neither of two isoagglutinins. Strong natural heteroagglutinins for human and teleost erythrocytes also were found in skate sera.

Whitworth, W.R. & W.H. Irwin (1964) 10-22708 MF
Trans.Amer.Fish.Soc., 93(2):209-12
Oxygen requirements of fishes in relation to exercise

Tominaga, Y. (1963) 10-22709 MF
J.Fac.Sci.Univ.Tokyo (4), 10(1):269-90
A revision of the fishes of the family Pempheridae of Japan

Noerenberg, W.A. & D.G. Savoie (1963) 10-22710 MF
Inform.Leafl.Alaska Dep.Fish., (28):38 p.
Salmon tagging experiments in Prince William Sound

Woodall, A.N. *et al*. (1964) 10-22711 MF
J.Nutr., 84(2):125-35
Nutrition of salmonoid fishes. 13. The tocopherol requirement of chinook salmon

CR 10-22851.

Yamashiro, S. (1963) 10-22712 MF
J.Hokkaido Gakugei Univ.(2B), 14(1):29-36
(On the scales of chum salmon at early season of fishery in waters off eastern Hokkaido). Ni En

Zanandrea, G. (1963) 10-22713 MF
Boll.Pesca Piscic.Idrobiol., 17(2):153-80
Le lamprede della pianura Padana e del rimanente versante adriatico d'Italia (The lampreys of the Italian Adriatic Sea and of its tributaries, expecially of the rivers of the northern Italian plain). It En Fr

Distribution of Petromyzon marinus, Lampetra zanandreai and L. planeri. Origin of L. zanandreai and its relation with other Italian and Danubian lampreys. List of common Italian names of lampreys.

Gasowska, M. (Ed.)(1962)C 10-22714 MF
Kraków, Panstwowe Wydannictwo Naukowe, 240 p.
Klucze do oznaczania kregowców Polski. Cz. 1. Kragłouste - Cyclostomi, Ryby-Pisces
(Keys to identify vertebrates of Poland. Part 1. Cyclostomi, Pisces). Pl

Chiesa, F., R. Marchetti & V. Noseda (1962) 10-22715 MF
Rc.Ist.lomb.Sci.Lett.(B), 95:167-75
Su di un riflesso cardiaco evocato dalle variazioni di temperatura dell'acqua di perfusione branchiale in Anguilla anguilla
(The change of ECG pattern and body temperature in Anguilla anguilla under a temperature variation of branchial perfusion water). It En

Maitland, P.S. (1965) 10-22716 MF
J.Anim.Ecol., 34(1):109-33
The feeding relationships of salmon, trout, minnows, stone loach and three-spined sticklebacks in the River Endrick, Scotland

Sakai, Y.Y. (1965) 10-22717 MF
Biol.Bull., Woods Hole, 129(1):189-98
Studies on the ooplasmic segregation in the egg of the fish, Oryzias latipes. 3. Analysis of the movement of oil droplets during the process of ooplasmic segregation

Martini, E. (1964) 10-22718 MF
Riv.Idrobiol., 3(1):57-74
I sistemi di connessione nel cuore dei Ciclostomi e dei pesci
(The connection systems in the heart of Cyclostomata and fishes). It

Researches carried out on 7 hearts of lampreys and 37 of teleosteans belonging to 25 different species (freshwater and sea fishes). The muscular connection systems between the different parts of the heart are composed of muscular fibres, morphologically identical to the common myocardial fibres. The constant presence of ganglionic cells situated in the wall of venous sinus of all the fishes.

Morgan, A.R. (1964) 10-22719 MF
Contr.Fish Comm.Ore., (28):47-62
Oregon coastal salmon and steelhead tagging programs. 2. Siletz River, 1954

Chance, R.E., E.T. Mertz & J.E. Halver (1964) 10-22720 MF
J.Nutr., 83(3):177-85
Nutrition of salmonoid fishes. 12. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and interrelations between isoleucine and leucine for growth

CR 61-09377.

Clemmer, G.H. & F.J. Schwartz (1964) 10-22721 MF
Trans.Amer.Fish.Soc., 93(2):197-8
Age, growth, and weight relationships of the striped killifish, Fundulus majalis, near Solomons, Maryland

Denton, E.J., F.R.S. Nicol & J.A.C. Nicol (1965) 10-22722 MF
J.Mar.biol.Ass.U.K., 45(3):739-42
Direct measurements on the orientation of the reflecting surfaces in the tapetum of Squalus acanthias, and some observations on the tapetum of Acipenser sturio

Henry, K.A. (1964) 10-22723 MF
Contr.Fish Comm.Ore., (28):9-41
Oregon coastal salmon and steelhead tagging programs. 1. Tillamook Bay, 1953

Hirschfeld, W.J. (1964)C 10-22724 MF
Thesis, New York University, 131 p.
The effect of bleeding and starvation on erythropoiesis in the turtle, Pseudemys scripta elegans

DA 26(1)459.

Jones, C., J.G. Phillips & D. Bellamy (1962) 10-22725 MF
Chem.Abstr., 57, 10371g
Studies on water and electrolytes in cyclostomes and teleosts with special reference to Myxine glutinosa (the hagfish) and Anguilla anguilla (the Atlantic eel). 1.

CFA 17(3):25.

Pora, E.A., O.I. Precup & I. Oros (1962) 10-22726 MF
Chem.Abstr., 57, 11682e
Penetration and elimination of radiophosphorus in some marine and fresh-water fish

CFA 17(3):25.

Boiko, E.G. (1964)B 10-22727 MF
Trud.vsesoiuz.nauch.-issled.Inst.Morsk.ryb.Khoz., 50:143-61
K otsenke estestvennoi smertnosti azovskogo sudaka
(Evaluating natural mortality in the Azov zander (Stizostedion lucioperca))

Boiko, E.G. (W.E. Ricker, Transl.)(1964) 10-22728 MF
Transl.Ser.Fish.Res.Bd Can., (541):15 p.
Evaluating natural mortality in the Azov zander (Stizostedion lucioperca)

En 10-22727.

Amirkhanov, G.A. (1964) 10-22729 MF
Ryb.Khoz., 40(8):15-8
Novye dannye o vnutrividovoi neodnorodnosti osetrovykh ryb Kaspiiskogo moria
(New information on within-species differences among the acipenserid fishes of the Caspian Sea)

Infra-species variabilities in Acipenser güldenstädtii and A. stellatus are considered.

Amirkhanov, G.A. (W.E. Ricker, Transl.)(1965) 10-22730 MF
Transl.Ser.Fish.Res.Bd Can., (546):5 p.
New information on within-species differences among the acipenserid fishes of the Caspian Sea

En 10-22729.

Kolgaev, A.M. (1963)B 10-22731 MF
Vop.Ikhtiol., 3(28):561-2
O prezhdevremennom podniatii molodi osennei kety Oncorhynchus keta infr. autumnalis Berg na plav i ego posledstviia v usloviiakh rybovodnykh zavodov
(On the premature assumption of active swimming by young chum salmon, Oncorhynchus keta infraspecies autumnalis Berg, and the consequences of this phenomenon as studied under hatchery conditions)

Kolgaev, A.M. (R.E. Foerster, Transl.)(1965) 10-22732 MF
Transl.Ser.Fish.Res.Bd Can., (545):4 p.
On the premature assumption of active swimming by young chum salmon, Oncorhynchus keta infraspecies autumnalis Berg, and the consequences of this phenomenon as studied under hatchery conditions

En 10-22731.

Smirnov, A.I. (1963)B 10-22733 MF
Nauch.Dokl.vyssh.Shk.(biol.), (3):37-41
Sokhranenie v vode sposobnosti iaits i spermatozoidov gorbushi (Oncorhynchus gorbuscha (Walbaum)) k oplodotvoreniiu
(The fertilizability of the eggs and spermatozoa of pink salmon (Oncorhynchus gorbuscha (Walbaum)) when held in water)

Smirnov, A.I. (R.E. Foerster, Transl.)(1965) 10-22734 MF
Transl.Ser.Fish.Res.Bd Can., (544):8 p.
The fertilizability of the eggs and spermatozoa of pink salmon (Oncorhynchus gorbuscha (Walbaum)) when held in water

En 10-22733.

Slobodkin, L.B. (1964)C 10-22735 MF
In 10-20152:131-48
Experimental populations of Hydrida

Kostarev, V.L. (1964) 10-22736 MF
Ryb.Khoz., (9):28-30
O sviazi urozhainosti molodi kety s vysotoi snezhnogo pokrova i temperaturoi vozdukha v zimnii period
(Relation between abundance of chum salmon fry and snow depth and air temperature in winter)

Correlation worked out for rivers running into Okhotsk Sea from mainland.

Azbelev, V.V. & M. Lazarev (1964) 10-22737 MF
Ryb.Khoz., (9):7-8
Nekotorye itogi akklimatizatsii gorbushi na ievropeiskom severe
(Some results of acclimatisation of the pink salmon in the European north)

Oncorhynchus gorbuscha from Pacific in rivers of Kola Peninsula.

Titova, L.K. & M.Z. Aronova (1964) 10-22738 MF
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.), 155(1-6):200-3
Cholinesterase in the organs of the lateral line of Teleostei

Investigates Esox lucius and Trachurus trachurus.
En 9-11331.

Grabda, J. (1963)B 10-22739 MF
Wiad.parazyt., 9:317-23
Current status of studies on fish parasites in Poland

Mansueti, R.J. (1964) 10-22740 MF
Chesapeake Sci., 5(1-2):3-45
Eggs, larvae, and young of the white perch, Roccus americanus, with comments on its ecology in the estuary

Life history and ecology of R. americanus in estuary of Patuxent River (Chesapeake Bay).

Liaiman, E.M. (1963)C 10-22741 MF
Moskva, Selkhozizdat, 295 p.
(Diseases of fish). Ru

HA 33(4)3217.

Freeman, R.S. (1964) 10-22742 MF
Canad.Fish Cult., (32):11-8
Flatworm problems in fish

HA 34(1)110.

Noerenberg, W.H. et al.(1964) 10-22743 MF
Inform.Leafl.Alaska Dep.Fish., (36):52 p.
Forecast research on 1964 Alaskan pink salmon fisheries

Hubbs, C. (1964) 10-22744 MF
Bull.Tex.meml Mus., (8):72 p.
Interactions between a bisexual fish species and its gynogenetic sexual parasite

Zarnecki, S., J. Duszyński & J. Gordziejczyk (1964) 10-22745 MF
J.Cons., 29(1):82-92
Migrations of sea trout from Pomeranian rivers. Results of tagging in 1960

A number of tagged Salmo trutta were recovered in rivers and in the Baltic - mostly east of their rivers of origin.

Taylor, A.E.R. (Ed.)(1964) 10-22746 MF
Oxford, Blackwell Scientific Publications, 134 p.
Host-parasite relationships in invertebrate hosts. Symposium of the British Society for Parasitology (2nd), London, November 8, 1963

HA 33(4)2638. Contains 10-21614.

Holt, S.J. (1965)C 10-22747 MF
Tokyo, Japanese Fisheries Resource Conservation Association, 44 p.
(Trend of researches and conservation on fisheries resource in the world). Ni

Burnet, A.M.R. (1965) 10-22748 MF
N.Z.J.Sci., 8(1):79-87
Observations on the spawning migrations of Galaxias attenuatus (Jenyns)

Estimation of age at maturity; correlation between migrations and lunar and tidal influences; time of peak runs.

Swarup, K. (1965) 10-22749 MF
Jap.J.Ichthyol., 12(3/6):82-8
Biometric studies of Hilsa ilisha (Hamilton) of Allahabad waters. 1. Length-weight relationship

Francois, D.D. (1965) 10-22750 MF
Aust.nat.Hist., 15(2):61-4
Atlantic salmon for New South Wales

Note on current attempt to establish land-locked Atlantic salmon (Salmo salar) populations in N.S.W.

Honma, Y. (1965) 10-22751 MF
Bull.Jap.Soc.sci.Fish., 31(3):192-7
(A case of the myxoma developed in the head of the salmonoid fish, the ayu, Plecoglossus altivelis Temminck et Schlegel). Ni En

Ill. description of external and histological features of the myxoma.

Yamashiro, S. (1965) 10-22752 MF
Bull.Jap.Soc.sci.Fish., 31(1):1-7
(Age and growth of the ito (Hucho perryi) in northeastern Hokkaido). Ni En

Study of age, body growth and scale characteristics.

Hikita, T. (1965) 10-22753 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):75-7
(Note - some cases of the anomalous coloration of the pink salmon, Oncorhynchus gorbuscha (Walbaum), caught in the North Pacific Ocean). Ni

Hikita, T. (1965) 10-22754 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):43-7
(Observations on the marking adult chinook salmon recaptured in the Tokachi River, and the young in the Hidaka coast, Hokkaido, Japan). Ni En

Determination of age of recaptured fish by examination of scales, and subsequently, the age at which seaward migration is made.

Kobayashi, T. & M. Sasaki (1965) 10-22755 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):33-42
(Experiments using air bubbles and the light to deflect migrating chum salmon fry, Oncorhynchus keta (Walbaum)). Ni En

Experimental use of an air-bubble screen to deflect fish from hazards caused by development of irrigation, power and water works, during their seaward migration.

Kubo, T. (1965) 10-22756 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):25-32
(On the influence of temperature upon the acceleration of smolt-transformation in juvenile masu salmon (Oncorhynchus masou)). Ni En

Experiments carried out on juveniles in the early period of smolt-transformation to determine influence of temperature upon the external appearance and blood characteristics. The experimental fish were reared at 9-14 degrees C for about 25 days.

Watanabe, M. (1965) 10-22757 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):11-23
(On the smolts of the red salmon (Oncorhynchus nerka) at Urumobetsu, Etorof I., Kuril Islands). Ni En

Observations on smolts captured during seaward migration from Lake Urumobetsu. These include sex determination, age determination from scales, age size and length distribution of migrating fish.

Durve, V.S. & K. Alagarswami (1964) 10-22758 MF
J.Mar.biol.Ass.India, 6(1):147-50
An incidence of fish mortality in Athankarai estuary near Mandapam

Discussion of site conditions and attribution of mortality to increase in salinity.

Nakazima, M. (1965) 10-22759 MF
Bull.Jap.Soc.sci.Fish., 31(3):204-7
Studies on the source of shellfish poison in Lake Hamana. 2. Shellfish toxicity during the "red-tide"

Investigation of the toxicity of the midgut gland of shellfishes at time when Prorocentrum concentration is greatest. Co 10-21618.

Fedorova, L.V. (1961) 10-22760 MF
Trudy kaliningr.Rybvtuza, 12
Sezonnye kolebaniia v dobyvaiushchei rybnoi promyshlennosti SSSR
(Seasonal fluctuations in the Soviet fishing industry)

Paiusova, A.N. (1961) 10-22761 MF
Trudy astrakh.Zapov., 5:201-10
Ob elementarnykh populiarsiakh molodi vobly v avandel'ty Volgi
(Basic roach fry populations of the Volga fore-delta)

ANON. (1961) 10-22762 MF
Ryb.Khoz., (3):86
Soveshchanie po vosproizvodstvu rybnykh zapasov v vodoemakh Zapadnoi Sibiri, Tiumen', 1960, 7-9 dekabria
(Conference on the replenishment of fish populations in west Siberia; Tiumen', 7-9 December 1960)

ANON. (1961) 10-22763 MF
Ryb.Khoz., (3):86-7
Soveshchanie po teoreticheskim osnovam ratsional'nogo ispol'zovaniia, vosproizvodstva i povysheniia rybnykh i nerybnykh resursov Belogo moria i vnutrennikh vodoemov Karelii. Petrozavodsk, 1960, nachalo dekabria
(International Conference on the theoretical basis of rational utilization, replenishment and improvement of fish and other populations of the White Sea and Karelian inland waters, held at Petrozavodsk, 8-10 December 1960)

Gerasimov, I.P., V.V. Zvonkov & M.S. Buianovskii (1961) 10-22764 MF
Izv.Akad.Nauk SSSR (geogr.), (5):36-41
Dunaiskaia problema i osnovnye voprosy osvoeniia del'ty Dunaia i pridunaiskikh zemel' na territorii SSSR
(The Danubian problem and the principal questions involved in bringing the Danube delta and adjacent areas in Soviet territory under cultivation)

Prosser, C.L., H. Precht & H.-D. Jankowsky (1965) 10-22765 MF
Naturwissenschaften, 52(7):168-9
Nervous control of metabolism during temperature acclimation of fish

Experiments on Anguilla vulgaris.

Goldstein, L. & R.P. Forster (1965) 10-22766 MF
Comp.Biochem.Physiol., 14(4):567-77
The role of uricolysis in the production of urea by fishes and other aquatic vertebrates

Knowles, F. & L. Vollrath (1965) 10-22767 MF
Nature, Lond., 206(4989):1168-9
Synaptic contacts between neurosecretory fibres and pituicytes in the pituitary of the eel

Scott, W.B. & W.J. Christie (1963) 10-22768 MF
J.Fish.Res.Bd Can., 20(5):1189-95
The invasion of the lower Great Lakes by the white perch, Roccus americanus (Gmelin)

Pinhorn, A.T. & C.W. Andrews (1963) 10-22769 MF
J.Fish.Res.Bd Can., 20(5):1245-66
Effect of photoperiods on the reactions of juvenile Atlantic salmon (Salmo salar L.) to light stimuli

Parker, R.R. (1963) 10-22770 MF
J.Fish.Res.Bd Can., 20(6):1371-96
On the problem of maximum yield from North Pacific sockeye salmon stocks

Mathematical methods are applied. Concludes that the yield of Oncorhynchus nerka stocks is seriously depressed by pelagic fishing.

Fagerlund, U.H.M. et al.(1963) 10-22771 MF
J.Fish.Res.Bd Can., 20(6):1457-63
Olfactory perception in migrating salmon
3. Stimulants for adult sockeye salmon
(Oncorhynchus nerka) in home stream waters

Behrend, E.R., B.A. Bauman & 10-22772 MF
M.E. Bitterman (1965)
Amer.J.Psychol., 78(1):83-90
Probability-discrimination in the fish

Rayner, M.D. (1965) 10-22773 MF
J.Morph., 116(3):389-413
A reinvestigation of the segmentation of the crayfish abdomen and thorax, based on a study of the deep flexor muscles and their relation to the skeleton and innervation. 1. The skeleton and intersegmental membranes

Sathyanesan, A.G. (1965) 10-22774 MF
J.Morph., 116(3):413
The hypophysis and hypothalamo-hypophysial system in the chimaeroid fish Hydrolagus colliei (Lay & Bennett) with note on their vascularization

Chester Jones, I. & I.W. 10-22775 MF
Henderson (1965)
J.Endocrin., 32(2):3-4
Electrolyte changes in the European eel
(Anguilla anguilla L.)

Chatterjee, N. (1964) 10-22776 MF
Curr.Sci., 33(5):145-7
On the nature of nutrient materials of the growing oocytes of the fish

Spet, G.I. (1965) 10-22777 MF
Zh.obshch.Biol., 26(2):201-12
(On the comparative productivity of aquatic (and other animals). Ru

Heath, W.G. (1963) 10-22778 MF
Science, 142(3591):486-8
Thermoperiodism in sea-run cutthroat trout
(Salmo clarki clarki)

Ridgway, S.H. & D.G. Johnston 10-22779 MF
(1965)
Amer.J.vet.Res., 26(112):771-6
Two interesting disease cases in wild cetaceans

McFarland, W.N. & P.E. Pickens 10-22780 MF
(1965)
Canad.J.Zool., 43(3):571-87
The effects of season, temperature, and salinity on standard and active oxygen consumption of the grass shrimp,
Palaemonetes vulgaris (Say)

Howard, L. & D. Kennedy (1965) 10-22781 MF
Nature, Lond., 206(4990):1235-8
Functional role of muscle receptor organs in crayfish

Snieszko, S.F. et al. (1964) 10-22782 MF
J.Bact., 88(6):1814-5
Pasteurella sp. from an epizootic of white perch (Roccus americanus in Chesapeake Bay tidewater areas

Bart, F.K. & L. Vollrath (1965) 10-22783 MF
Nature, Lond., 206(4989):1168-9
Synoptic contacts between neurosecretory fibres and pituicytes in the pituitary of the eel

Piiper, J. & D. Schumann (1965) 10-22784 MF
Pflügers Arch.ges.Physiol., 283(4):R45
O_2-Bedarf der Atmung bei Fischen
(O_2-requirements for respiration in fishes)

Miesner, H.J. & R.v. Baumgarten 10-22785 MF
(1965)
Pflügers Arch.ges.Physiol., 283(4):R60-R61
Generalisation und primäre Differenzierung beim Geruchsgedächtnis der Fische
(Generalization and primary differentiation in the olfactory memory of fishes)

Oberg, K.E. (1964) 10-22786 MF
Exp.Cell Res., 36(2):407-11
The inhibition of the respiration of brain mitochondria of rotenone-poisoned fish

Greenwood, P.H. (1964) 10-22787 MF
Nature, Lond., 204(4953):7-9
Jordan's fish genera

Amlacher, E. (1964) 10-22788 MF
Acta biol.med.germ., 12(4):525-8
Histochemical findings with pigmented reticulum cells of the spleen of teleosteans

Fine, J.M. & A. Drilhon (1964) 10-22789 MF
C.R.Séanc.Soc.Biol., 158(6):1307-28
Electrophoretic and immunologic study of serum proteins in some Salmonidae

Paine, R.D.,Jr. (1963) 10-22790 MF
Rel.nat.Sci.Fdn., (NSF-63-126):3 p.
Botulism - fatal food poison - linked to nerve action

Killick, S.R. & W.A. Clemens (1963) 10-22791 MF
Bull.int.Pacif.Salm.Fish.Comm., 14:140 p.
The age, sex ratio and size of Fraser River sockeye salmon 1915 to 1960

Results of 88,368 samples from commercial catch, 1915-1960, of Oncorhynchus nerka, and consideration of reasons for variation.

Malangeau, P. (1963) 10-22792 MF
Cah.C.E.R.B.O.M., (2):3-18
Mésoinositol et scyllitol. Leur présence chez l'homme et les poissons
(Mesoinosital and scyllitol. Their presence in man and fish)

Includes tables of analyses giving contents per 100 g. for various species, including herring, sole and mackerel.

Wunder, W. (1963) 10-22793 MF
Allg.Fisch.Ztg., 88(14):406-8
Die Schwimmblase, ein merkwürdiges und vielseitiges Organ bei Fischen 2.
(The swimbladder, a remarkable and important organ in fish 2.)

Co 9-10496.

Hartt, A.C. (1963) 10-22794 MF
Rep.int.N.Pacif.Fish.Comm., 1961:83-91
Tagging studies

French, R. (1963) 10-22795 MF
Rep.int.N.Pacif.Fish.Comm., 1961:92-101
Salmon distribution and abundance on the high seas

Ridgway, G.J. & F.M. Utter (1963) 10-22796 MF
Rep.int.N.Pacif.Fish.Comm., 1961:106-8
Salmon serology

Landrum, B.J. & T. Dark (1963) 10-22797 MF
Rep.int.N.Pacif.Fish.Comm., 1961:108-14
Morphological classification of 1960 red salmon

Anas, R.E. (1963) 10-22798 MF
Rep.int.N.Pacif.Fish.Comm., 1961:114-6
Red salmon scale studies

Pearson, R.E. (1963) 10-22799 MF
Rep.int.N.Pacif.Fish.Comm., 1961:116-9
Pink salmon studies

LaLanne, J. (1963) 10-22800 MF
Rep.int.N.Pacif.Fish.Comm., 1961:119-24
Chum salmon studies

Zoltan, K. (1963) 10-22801 MF
Bul.Inst.Cerc.pisc., 22(1):47-101
Date despre economia piscicola a R.S.F. Iugoslava
(Data on the fisheries economy of Yugoslavia). Ro Fr Ru

Particular attention is paid to carp culture, though Adriatic fisheries produce nearly twice the tonnage of inland resources. Gives tables of catch totals, values and fishing areas.
FiB:cmhh

Warner, K. & O.C. Fenderson (1963) 10-22802 MF
Trans.Amer.Fish.Soc., 92(3):193-201
The salmon and trout fishery of the Fish River Lakes, Maine

Creel census, age, growth, time of annulus formation, survival and mortality studies on salmon (Salmo salar) and brook trout (Salvelinus fontinalis).

Wagner, H.H., R.L. Wallace and H.J. Campbell (1963) 10-22803 MF
Trans.Amer.Fish.Soc., 92(3):202-10
The seaward migration and return of hatchery-reared steelhead trout, *Salmo gairdneri*, Richardson, in the Alsea River, Oregon

Report of investigations to determine ways of improving hatchery rearing and liberation of young steelhead trout (*S. gairdneri*), especially to determine proper size and age of fish to release and optimum time of liberation for greatest adult return.
HR:wcb

Lindroth, A. (1963) 10-22804 MF
Trans.Amer.Fish.Soc., 92(3):286-91
Salmon conservation in Sweden

Discusses role of hatcheries in maintaining salmon fishery in Baltic Sea. Gives some costing.

Blahm, T.H. (1963) 10-22805 MF
Trans.Amer.Fish.Soc., 92(3):302-3
Passage of salmon fingerlings through small tunnels

A series of tests was conducted to determine optimum combination of water velocity and light condition that will most effectively facilitate passage of salmon fingerlings through small tunnels.

Azbelev, V.V. (W.E. Ricker, Transl.)(1963) 10-22806 MF
Transl.Ser.Fish.Res.Bd Can., (440):19 p.
Information on the biology and survival of salmon of the Kola peninsula

En 61-10608.

Hylen, A. (1963) 10-22807 MF
Fiskeridir.Skr.Havundersøk., 13(6):80-7
The non-returning of fish tags recovered by Norwegian fishermen

Methods of tag recovery and incentives to increase rate of tag returns.

Sundes, G. (1963) 10-22808 MF
Fiskeridir.Skr.Havundersøk., 13(6):126-32
Swimming speed of fish as a factor in gear research

The hydrodynamic resistance of bodies of several spp. of commercially important marine fish has been measured. Based on the hydrodynamic resistance and the energy metabolism of the fish, theoretical swimming speeds and distances have been calculated. It is suggested that gear speeds of up to six knots may be required for species which react strongly to active trawling gear.

FiB:jgs

Marinković, M. & M. Nikolić (1963) 10-22809 MF
Thalassia jugosl., 2(4):25 p.
Rast kamenice *Ostrea edulis* L. prije i za vrijeme fertilizacije mora u Limskom kanalu, Istra, od 1957 do 1960
(Growth of the oyster, *Ostrea edulis* L., before and during fertilization of the sea at Limski Canal (Istrie, Yugoslavia) from 1957 to 1961). Hr Fr

Groot, C. (1963) 10-22810 MF
Proc.int.Congr.Zool., 16:136-7
Migration and orientation in Pacific salmon

Reports experiments on *Oncorhynchus nerka* smolt and preliminary observations on 'navigation' in *O. gorbuscha*.
Abstract only.

Elson, P.F. (1963) 10-22811 MF
Atlant.Salm.J., (2):9-11
Questions and answers about Atlantic salmon

With respect to *Salmo salar* in Canada, discussed size of stocks, relations of commercial to sport fishing, escapements, angling success, etc.

Williamson, G.R. (1963) 10-22812 MF
Atlant.Salm.J., (2):18-20
Newfoundland barachois yields two giant trout

Discusses two *Salmo trutta* over 27 lbs caught by angling in a lagoon on east coast of Newfoundland; age, spawning etc.

Fraser, T.B. (1963) 10-22813 MF
Atlant.Salm.J., (2):34-41
Brief on Atlantic salmon

Presents its recommendations on conservation by *Salmo salar*. Appendices indicate the economic value of *S. salar* and distribution of total catch for a typical season.

Hinze, J.A. (1963) 10-22814 MF
Inl.Fish.adm.Rep.,Calif., 63(6):21 p.
Annual report Nimbus Salmon and Steelhead Hatchery, fiscal year of 1961-62

Seventh annual report of hatchery, Sacramento County, California, operated by California Dept. of Fish and Game under contract with U.S. Bureau of Reclamation. Summarizes numbers of fish trapped and spawned, production of eggs and fish, and conditions of water quality and temperature from July 1, 1961, through June 30, 1962.

Likharev, I.M. (1965) 10-22815 MF
Vestn.Acad.Nauk SSSR, 5:110-2
(Molluscs and their practical importance).
Ru

Kuntsova, M.Ya. & A.A. Karlov 10-22816 MF
(1965)
Fed.Proc.Transl.Suppl., 24(3):417-21
Nerve-muscle transmission during functional synaptic block in Crustacea

Grant, R.E. (1965) 10-22817 MF
Smithson.misc.Coll., 148(2):192 p.
Brachiopod superfamily Stenoscismatacea

Kobayashi, T., S. Harada & 10-22818 MF
S. Abe (1965)
Sci.Rep.Hokkaido Salm.Hatch., (19):1-10
(Ecological observations on the salmon of Nishibetsu River.1. The migration and growth of chum salmon fry, *Oncorhynchus keta* (Walbaum)). *Ni* En

Results of survey of the behaviour and growth of chum salmon fry during seaward migration in the Nishibetsu River.

Passano, L.M. (1963) 10-22819 MF
Proc.nat.Acad.Sci.,Wash., 50(2):306-13
Primitive nervous systems

Jubb, R.A. (1963) 10-22820 MF
Piscator, 17(57):13-5
Some interesting freshwater eel records

Records *Anguilla nebulosa labiata* from above Victoria Falls and on *Anguilla* in the Kafue River above the Kafue Gorge (Africa).

Arai, M.N., E.T. Cox & F.E. 10-22821 MF
J. Fry (1963)
Canad.J.Zool., 41(6):1011-5
The effect of dilutions of seawater on the lethal temperature of the guppy

A reanalysis of the problem using the b line of Gibson which has been maintained in mass culture since the original period of selection which extended through approximately 15 generations.

Ahsan, S.N. & W.S. Hoar (1963)A 10-22822 MF
Canad.J.Zool., 41(6):1045-53
Some effects of gonadotrophic hormones on the threespine stickleback, *Gasterosteus aculeatus*

Hoar, W.S. & J.G. Eales (1963)A 10-22823 MF
Canad.J.Zool., 41(6):1061-7
Dependence of conversion ratio on the dose of radioiodine in fish

Radovich, J. (1963) 10-22824 MF
Calif.Fish Game, 49(3):191-206
Effect of ocean temperature on the seaward movements of striped bass, *Roccus saxatilis*, on the Pacific coast

Presents evidence pertaining to the phenomenon of warm coastal waters and concludes there is a relationship between ocean temperatures and the seaward migration of striped bass.

Abramson, N.J. (1963) 10-22825 MF
Calif.Fish Game, 49(3):174-82
Distribution of California angling effort in 1961

Distribution by licensed anglers in fresh waters, ocean waters, and waters of San Francisco Bay and the Sacramento-San Joaquin delta as estimated from a postal-card survey.

Eales, J.G. (1963) 10-22826 MF
Canad.J.Zool., 41(5):811-24
A comparative study of thyroid function in migrant juvenile salmon

A histological and radiochemical study of four species of juvenile Pacific salmon (Oncorhynchus) of British Columbia to elucidate the importance of the thyroid at migration.

Premdas, F.H. (1963) 10-22827 MF
J.Fish.Res.Bd Can., 20(3):827-37
The uptake and detoxification of C14-labelled DDT in Atlantic salmon, Salmo salar

The uptake from a 1 ppm solution in fresh-water was studied. Fish killed by the exposure contained 5.87 ppm DDT on average. Considerable absorption occurred after 5 minutes. From the distribution of the labelled chemical DDT is thought to enter mainly through the gills whence it is distributed via the circulatory system.
SJH:cmhh

Muir, B.S. & H. White (1963)A 10-22828 MF
J.Fish.Res.Bd Can., 20(3):839-40
Application of the Paloheimo linear equation for estimating mortalities to a seasonal fishery

Mil'shtein, V.V. (1961) 10-22829 MF
Ryb.Khoz., 3:30-4
Uplotnennaia posadka molodi osetrovykh
(Interplanting of sturgeon fry)

ANON. (1961) 10-22830 MF
Ryb.Khoz., 4:24-7
Peresadka osetrov
(Sturgeon transplantation)

Picture story.

Pleskachevskaia, T.G. (1961) 10-22831 MF
Ryb.Khoz., 3:34-5
Utochnenie biotekhniki vyrashchivaniia sevriugi
(Refining the biotechnics of Acipenser stellatus rearing)

H

Podberezskaia, I.F., I.F. Sokolova & M.V. Napreichikov (1961) 10-22832 MF
Ryb.Khoz., 3:36-9
Opytnye raboty po razvedeniiu osetrovykh v nizov'iakh Dunaia i Dnestra
(Experimental work on sturgeon breeding in the Lower Danube and Dniester)

Konarbaev, U. & K.U. Kubashev (1961) 10-22833 MF
Ryb.Khoz., 5:65-8
Lov kefali Kaspiiskom more ramovoi set'iu
(Mullet catching in the Caspian Sea with a box net)

Kondrat'ev, V.P. (1961) 10-22834 MF
Ryb.Khoz., 5:62-4
Primeniat' radioaktivnye izotopy v promyshlennom rybolovstve
(Use radioactive isotopes in the fishing industry)

Shishv, A.P. (1961) 10-22835 MF
Ryb.Khoz., 3:53-8
Otbiraiushchaia sposobnost' iachei
(The selective capacity of net mesh)

Ivanova, A.S. (1961) 10-22836 MF
Trud.kasp.nauch.-issled.Inst.morsk.ryb.Khoz., 16:49-54
Khimicheskii sostav nekotorykh osnovnykh promyslovykh ryb Volgo-Kaspiiskogo basseina
(Chemical composition of some of the principal fish of commercial value in the Volga-Caspian basin)

Genetsinskaia, T.A. & G.A. Shtein (1961) 10-22837 MF
Vest.leningr.gos.Univ., 3(15):60-71
Osobennosti parazito-fauny bespozvonochnykh i primenenie osnovnykh pravil ekologicheskoi parazitologii k kharakteristike ikh zarazhennosti
(The distinctive features of invertebrate parasite coenoses and the application of the basic principles of parasitological ecology to definition of invertebrate infestation)

U.K. Department of Agriculture and Fisheries for Scotland. Committee on Scottish Salmon and Trout Fisheries (1963) 10-22838 MF
Edinburgh, H.M.S.O., 59 p.
Scottish salmon and trout fisheries: Report by the committee appointed by the Secretary of State for Scotland

Sathyanesan, A.G. (1962) 10-22839 MF
Proc.nat.Inst.Sci.India,(B), 28:497-506
Ovarian cycle in the catfish Mystus seenghala (Sykes)

BSEA 9(6)4078.

Bergeron, J. (1963) 10-22840 MF
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:161-4
La pêche commerciale du saumon (Salmo salar L.) dans la région de Carleton (Bonaventure) au cours de la saison 1962
(Commercial salmon fisheries (Salmo salar L.) in the Carleton (Bonaventura) region during the 1962 season)

Matsushita, T. (1964) 10-22841 MF
Fishery Res.Ser.,Tokyo, (6-2):110 p.
(Pacific salmon in the northern waters - distribution and migration). Ni

Bender, E.A. (1964)C 10-22842 MF
Thesis, The Pennsylvania State University, 67 p.
The association of blood types with performance of two trout species of the genus Salmo

Blood group systems in Salmo gairdneri and S. trutta have been identified.
DA 25(12),Pt.1:7424.

Wilimovsky, N.J. (1965) 10-22843 MF
Science, 147(3660):852
Anatomy of fishes

Re 10-20121, 10-20122.

Czaplicki, H. (1962) 10-22844 MF
Gospod.rybna, 14(7):23-4
Obserwacje wędrówek łososi prowadzone przez P-Z-W
(Observations on migration of salmon and trout carried out by Polish Game Fish Union). Pl

Backiel, T., R. Bartel & S. Sakowicz (1962) 10-22845 MF
Gospod.rybna, 14(7):22-3
O wynikach znakowania troci
(Results of marking of salmon trout). Pl

Marked salmon trout fish were released in river estuaries or directly to the Baltic Sea, Gdańsk Bay. It was found that the lake form released to Baltic, similar to the migratory form, can migrate for considerable distances, up to 1,200 Km.

Grabda, J. (1962) 10-22846 MF
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:275-86
Pasozytnicze widłonogi (Copepoda parasitica) ryb zalewu Wiślanego
(Parasitic Copepoda of the Vistula Firth fishes). Pl En Ru

Wiktor, J. & C. Zukowski (1962) 10-22847 MF
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:421-41
Szczupak w gospodarce zalewu Szczecińskiego w latach 1948-1957
(The pike in Szczecin Firth husbandry in the years 1948-1957). Pl En Ru

Zukowski, C. (1962) 10-22848 MF
Prace morsk.Inst.ryback.Gdyni (oceanogr.-ichtiol.), 11A:449-62
Badania nad leszczem zalewu Szczecińskiego i zatoki pomorskiej w latach 1953-1955
(Investigations on bream from Szczecin Firth and Pomeranian Bay in 1953-1955).
Pl En Ru

Hara, T.J., K. Ueda & A. Gorbman (1965) 10-22849 MF
Science, 149(3686):884-5
Electroencephalographic studies of homing salmon

Oncorhynchus tshawytscha and O. kisutch were investigated.

Conte, F.P. (1965) 10-22850 MF
Comp.Biochem.Physiol., 15(3):293-302
Effects of ionizing radiation on osmoregulation in fish Oncorhynchus kisutch

Woodall, A.N. et al. (1964) 10-22851 MF
J.Nutr., 82:475-82
Nutrition of salmonoid fishes. 11. Iodide requirements of chinook salmon

Moffie, D. et al. (1964) 10-22852 MF
Ned.T.Geneesk, 108:988-91
(Ciguatera, fish poisoning in the Caribbean area). Da

Abram, F.S. (1964) 10-22853 MF
Air Water Pollut., 8:325-38
An application of hormonics to fish toxicology

Meyer, F.P. et al. (1964) 10-22854 MF
Appl.Microbiol., 12:201-3
Description and treatment of a Pseudomonas infection in white catfish

Sato, S. (1963) 10-22855 MF
Jap.J.Tuberc., 11:60-1
Causative agents of fish mycobacteriosis and the niacin test

Bell, G.R. & M.J. Smarth (1964) 10-22856 MF
J.Can.Ass.Radiol., 15:200-1
In vivo angiography of the Pacific salmon (Oncorhynchus)

Döving, K.B. et al. (1965) 10-22857 MF
J.Neurophysiol., 28:139-53
Electrophysiological and histological properties of the olfactory tract of the burbot (Lota lota L.)

Otsuka, N. (1964) 10-22858 MF
Verh.anat.Ges., 59:352-7
(Comparative studies on Mauthner's cells in fish). De

Otsuka, N. (1964) 10-22859 MF
Z.Zellforsch., 62:61-71
(Further comparative-anatomical examinations of Mauthner cells in fishes). De

IABS 38(1)2469.

Nayyar, R.P. (1964) 10-22860 MF
Quart.J.micr.Sci., 105:353-8
Yolk nucleus of fish oocyte

IABS 37(1)1771.

Eisler, R. (1965) 10-22861 MF
Trans.Amer.Fish.Soc., 94(1):26-31
Some effects of a synthetic detergent on estuarine fishes

Menidia menidia, Fundulus heteroclitus, Mugil cephalus, Pseudopleuronectes americanus and Anguilla rostrata were tested.

Uzmann, J.R., G.J. Paulik & S.H. Hayduk (1965) 10-22862 MF
Trans.Amer.Fish.Soc., 94(1):53-61
Experimental hexamitiasis in juvenile coho salmon (Oncorhynchus kisutch) and steelhead trout (Salmo gairdneri)

Keeton, D. (1965) 10-22863 MF
Trans.Amer.Fish.Soc., 94(1):93-4
Application of Stoeltzner's method to determine growth of fish scales

Taguchi, K. (1965) 10-22864 MF
Bull.Jap.Soc.sci.Fish., 31(5):323-6
(Returning effect and its limit resulting from the artificial propagation for chum salmon in Hokkaido). Ni En

Study of relation between the number of parent fish caught in the rivers and total catches from both rivers and coastal waters in following year, to give estimate of effect of artificial propagation.

Mishima, S., M. Ueno & R. Kawashima (1965) 10-22865 MF
Bull.Jap.Soc.sci.Fish., 31(4):269-76
(On the spatial distribution of salmon by means of the analysis from the catch of fish per unit net). Ni En

Attempt to determine spatial distribution of salmon in the North Pacific Ocean.

Yoshimitsu, T. (1965) 10-22866 MF
Bull.Jap.Soc.sci.Fish., 31(4):263-8
(Consideration on the formation and transition of the fishing ground for salmon, based on the data obtained from the motherships' operations. Red salmon). Ni En

Information on seasonal location of fishing grounds obtained from analysis of data collected in the salmon season in the years 1954 to 1960.

Asano, M. (1964) 10-22867 MF
Bull.Tohoku Fish.Res.Lab., (24):20-7
(Young albacore taken from the northeastern sea area of Japan in August and September, 1963). Ni En

Examination of catch records, body measurements, morphological characteristics, stomach contents, length composition and ocean conditions of the fishing grounds.

Iwai, T. (1964) 10-22868 MF
Bull.Misaki mar.biol.Inst., (7):19-34
A comparative study of the taste buds in gill rakers and gill arches of teleostean fishes

Comparative study of the taste buds in the oro-pharyngeal region of 24 spp. of both freshwater and marine teleosts to help ascertain whether the gill rakers and arches carry the gustatory receptors.

ANON. (1965) 10-22869 MF
Aust.Fish.Newslett., 24(7):21
Where do eels spawn? - Old theory is challenged

Presentation of argument against spawning of American eels in the Sargasso Sea; brief note on spawning of Australian eels.

Grigg, G.C. (1965) 10-22870 MF
Aust.J.Zool., 13(2):243-53
Studies on the Queensland lungfish, Neoceratodus forsteri (Krefft). 1. Anatomy, histology, and functioning of the lung

Ill. description of anatomy, pulmonary blood system, histology of the lung and pneumatic duct, analysis of gas expired from the lung.

Kato, T., Y. Fukuda & Y. Sakamoto (1965)A 10-22871 MF
Bull.Freshw.Fish.Res.Lab.,Tokyo, 14(2):97-105
(Studies on the techniques of salmon and trout-culturing. 1. Growth and survival rate of pond-cultured hime-trout, land-locked form of Oncorhynchus nerka). Ni En

Yamamoto, T.S. (1964)A 10-22872 MF
J.Fac.Sci.Hokkaido (6), 15(3):426-37
Effects of acidulated Ringer's solution on the egg of dog salmon, Oncorhynchus keta

Issued also as: Contr.Zool.Inst.Fac.Sci. Hokkaido Univ., (662).

Spence, K.D., J.L. Fryer & K.S. Pilcher (1965) 10-22873 MF
Canad.J.Microbiol., 11(3):397-405
Active and passive immunization of certain salmonid fishes against Aeromonas salmonicida

Passive protection against Aeromonas salmonicida, the causative agent of furunculosis in fishes, was produced in juvenile coho salmon by administration of serum from adult rainbow trout.
Oral vaccine administered in the diet of juvenile coho salmon failed to produce either agglutinating antibody or protection against experimental infection.

Bayne, B.L. (1965) 10-22874 MF
Ophelia, 2(1):1-47
Growth and the delay of metamorphosis of the larvae of Mytilus edulis (L.)

Techniques for the induction of spawning of Mytilus edulis, the delay of spawning and the rearing of the larvae are described.

Zimmer, P.D., R.J. Wahle & E.M. Maltzeff (1963) 10-22875 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (443):24 p.
Progress report; Spring chinook salmon transplantations study 1955-61

Reports on trapping and hauling; artificial propagation, which includes holding and spawning of adult salmon, incubation of eggs, rearing of fingerlings, and disease treatment; and enumeration of returning adults.

Smith, H.D. (1964) 10-22876 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (470):20 p.
The segregation of red salmon in the escapements to the Kvichak River system, Alaska

Groups of red salmon bound for specific spawning grounds in the Kvichak River system, Alaska, were studied to determine the extent of their segregation during migration up the river. Spawning groups were found to be intermingled to the extent that they could not be managed independently through the application of differential fishing pressure.

Utter, F.M., G.J. Ridgway & H.O. Hodgins (1964) 10-22877 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (472):18 p.
Use of plant extracts in serological studies of fish

Seed and bark extracts were tested serologically against numerous fish individuals, mostly of the genus Oncorhynchus from Washington and Alaska.

Bilinski, E. & R.E.E. Jonas (1964) 10-22878 MF
Can.J.Biochem., 42(2):345-52
Utilization of lipids by fish. 2. Fatty acid oxidation by a particulate fraction from lateral line muscle

The fatty acid oxidizing system present in lateral line muscle of rainbow trout (Salmo gairdnerii) and sockeye salmon (Oncorhynchus nerka) was studied by using subcellular particles, having the sedimentation characteristics of mitochondria.
Co 9-09329.

Ross, A.J. (1963) 10-22879 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (462):5 p.
Mycobacteria in adult salmonid fishes returning to national fish hatcheries in Washington, Oregon, and California in 1958-59

Describes incidence of acid-fast bacillus infections in Oncorhynchus & Salmo gairdnerii.

McBride, J.R. et al. (1964) 10-22880 MF
Canad.J.Zool., 42(2):245-8
Olfactory perception in juvenile salmon. 2. Conditioned response of juvenile sockeye salmon (Oncorhynchus nerka) to lake waters

Sockeye salmon smolts were conditioned to distinguish between waters from two natural sockeye nursery systems, Great Central Lake and Cultus Lake.
Co 8-07278.

Kennedy, A.V. & H.I. Battle (1964) 10-22881 MF
Canad.J.Zool., 42(2):305-9
Cyclic changes in the gonad of the American oyster, Crassostrea virginica (Gmelin)

Cyclic changes in the gonad of Crassostrea virginica, a dioecius, oviparous lamellibranch, are described as they occurred toward the most northerly limit of the range, Malpeque Bay, P.E.I., Canada during 1961 & 1962.

Ito, K. (1963) 10-22882 MF
Sci.Rep.Hokkaido Fish.Hatch., (18):27-40
(Ecological studies of the longfinned smelt, Spirinchus lanceolatus (Hikita). 2. On the local forms). Ni

Dotu, Y. & T. Fujiki (1963)A 10-22883 MF
Bull.Fac.Fish.Nagasaki, (15):17-23
(Studies on the mugilid fishes of Japan. 2. Ecology and fishery of the unripe adult fish of grey mullet, Mugil cephalus caught at Akime, Kagoshima Pref. and Ushibuka, Kumamoto Pref. in spring).
Ni En

Boulet, P.C. (1963) 10-22884 MF
Proc.int.Congr.Zool., 16(2):11
Etude expérimentale et comparée de la perception visuelle du mouvement et de la prédation chez un poisson (Perca), un céphalopode (Sepia) et un insecte (Mantis)
(Experimental and comparative study of the visual perception of movement in a fish (Perca), a cephalopod (Sepia) and an insect (Mantis))

Pr 62-078me.
Abstract only.

Welykochatko, T. (1963) 10-22885 MF
Proc.int.Congr.Zool., 16(2):47
Influence of the active reaction of water-pH on fishes

Pr 62-078me.
Abstract only.

Ali, M.A. (1963) 10-22886 MF
Proc.int.Congr.Zool., 16(2):70
Some aspects of the retinal physiology of salmon (Salmo salar)

Pr 62-078me.
Abstract only.

Charniaux-Cotton, H. (1963) 10-22887 MF
Proc.int.Congr.Zool., 16(2):122
Endocrinologie et génétique du sexe chez les Crustacés supérieurs
(Endocrinology and sex genetics in the higher Crustacea)

Illustrates using the Talitridae.
Pr 62-078me.
Abstract only.

Mohsen, T. (1963) 10-22888 MF
Proc.int.Congr.Zool., 16(2):123
La nature et le déterminisme de l'euryhalinité chez Lebistes reticulatus (Cyprinodontiformes, Poeciliidae)
(The nature and determinism of euryhalinity in Lebistes reticulatus (Cyprinodontiformes, Poeciliidae))

Treatment of fish with thyroxima and thiourea did not effect adaptation to sea water.
Pr 62-078me.
Abstract only.
FiB:cmhh

Follenius, E. (1963) 10-22889 MF
Proc.int.Congr.Zool., 16(2):147
Bases ultrastructurales des relations hypothalamo-hypophysaires chez quelques éspèces de poissons téléostéens
(Ultrastructural bases of the hypothalamo-hypophysical relationships in several species of teleost fish)

Electron microscope study of the principal diencephalic neurosecretory nodes in Salmo irideus and Perca fluviatilis.
Pr 62-078me.
Abstract only.
FiB:cmhh

Dimond, M.T.,Sister (1963) 10-22890 MF
Proc.int.Congr.Zool., 16(2):159
Pituitary-thyroid relations in developing turtles

Physiological and cytological changes in Caretta, Chelydra, Chrysemys and Terrapene species.
Pr 62-078me.
Abstract only.

Emel'ianov, S.V. (1963) 10-22891 MF
Proc.int.Congr.Zool., 16(2):258
Raznokachestvennost' lichinok ryb vyklevyvaiushchikhsia iz ikry odnoi samki
(Variability of larvae of fishes hatching from eggs of one female)

Pr 62-078me.
Abstract only.

Noble, E.R. (1963) 10-22892 MF
Proc.int.Congr.Zool., 16(1):148
Ecology of parasites of some Pacific gobies

Found few species of parasite in more than one locality.
Pr 62-078me.
Abstract only.

Misra, A.B. (1962)A 10-22893 MF
Proc.int.Congr.Zool., 16(1):157
On the structure and evolution of the accessory respiratory organs of some Indian fishes

Pr. 62-078me.
Abstract only.

McNeil, W.J. (1963)A 10-22894 MF
Proc.int.Congr.Zool., 16(1):242
Quality of the spawning bed as it relates to survival and growth of pink salmon embryos and alevins and time of fry emergence

Pr 62-078me.
Abstract only.

Darnell, R.M. (1963) 10-22895 MF
Proc.int.Congr.Zool., 16(1):243
Nitrogen turn-over in an estuarine fish population

Outlines studies on a North Carolina population of Lagodon rhomboides.
Pr 62-078me.
Abstract only.

Hoar, W.S. (1963) 10-22896 MF
Proc.int.Congr.Zool., 16(3):14
The endocrine regulation of migratory behaviour in anadromous teleosts

Discusses endocrine activity in connection with spawning migration of Gasterosteus, Oncorhynchus nerka and Salmo gairdnerii, with smolt transformation in S.salar and S. gairdnerii.
Pr 62-078me.
Abstract only.

Schnitzlein, H.N. (1963) 10-22897 MF
Proc.int.Congr.Zool., 16(3):229-32
Correlation of habit and structure in the fish brain

Pr 62-078me.
Abstract only.

Holmgren, U. (1963) 10-22898 MF
Proc.int.Congr.Zool., 16(3):234-7
Neurosecretion in teleost fishes: the caudal neurosecretory system

Details of morphology, fine structure and histochemistry with notes of physiological experiments on Fundulus heteroclitus.
Pr 62-078me.
Abstract only.

Kosswig, C. (1963) 10-22899 MF
Proc.int.Congr.Zool., 16(3):324-8
Population structure in Anatolian cyprinodont fishes

Considers polymorphism as affected by salinity and genotype.
Pr 62-078me.
Abstract only.

Hubbs, C. (1963) 10-22900 MF
Proc.int.Congr.Zool., 16(4):103-5
The use of hybridization in the determination of phylogenetic relationships

Outlines methods and approach, including work on Fundulus, Crenichthys and cobitids.
Pr 62-078me.
Abstract only.

Kuhn, W. et al. (1963) 10-22901 MF
Experientia, 19(10):497-511
The filling mechanism of the swimbladder. Generation of high gas pressures through hairpin countercurrent multiplication

General review of subject; reports experiments on Anguilla and Cyprinidae.

Yancey, R.M. & F.V. Thorsteinson (1963) 10-22902 MF
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish., (440):18 p.
The king salmon of Cook Inlet, Alaska

Discusses decline in catch of king salmon (O. tshawytscha).

Magnin, E. & G. Beaulieu (1963) 10-22903 MF
Contr.Dép.Pêch.Québ., (92):38 p.
Étude morphométrique comparée de l'Acipenser oxyrhynchus Mitchill du Saint-Laurent et de l'Acipenser sturio Linné de la Gironde (Comparative morphometric study of Acipenser oxyrhynchus Mitchill from the St. Lawrence and Acipenser sturio Linné from the Gironde)

Confirms a real specific difference.

Scott, D.P. (1963) 10-22904 MF
Circ.biol.Sta.,London,Ont., (6):13-6
Radioactive marking of fish

Popular account.

Bertram, G.C.L. & C.K.R. Bertram (1963) 10-22905 MF
Oryx, 7(2,3):90-3
The status of manatees in the Guianas

With respect to Trichechus manatus, describes its present abundance and possible economic uses, especially for weed control.

Freihofer, W.C. (1963)A 10-22906 MF
Stanf.ichthyol.Bull., 8(2):80-189
Patterns of the ramus lateralis accessorius and their significance in teleostean fishes

Saito, K. (W.G. Van Campen, Transl.)(1963)C 10-22907 MF
Honolulu, Hawaii, USFWS, 13 p.
Biochemical studies on fish blood 5. On the respiration elements of fish blood

Reviews subject. Describes experiments with marine teleosts and sharks, collected Oct.-Dec. 1952, and early 1953 from S. of Kagoshima; compared with blood of man and chicken and No. and size of erythrocytes; specific gravity; oxydising enzyme reaction. Spp. incl. Neothunnus, Eumakaira, Katsuwonus, Scomber, Coryphaena, Pristipomoides, Sphaeroides, Evynnis, Cyprinus, Carassius, Galeocerdo, Carcharinus.

En 1953, K. Saito.
Limited distribution.

Massmann, W.H. (1963) 10-22908 MF
Spec.sci.Rep.Va Inst.Mar.Sci., (46):8 p.
Surface trawl surveys to determine the abundance of juvenile American shad (Alosa sapidissima) in the Pamunkey and Mattaponi Rivers, 1952-1956

Results of quantitative tows in August and September in these Virginia rivers.

Chirichigno, N.F. (1963) 10-22909 MF
Ser.Divulg.cient.Direcc.Pesq.,Lima, (22):87 p.
Estudio de la fauna ictiológica de los esteros y parte baja de los ríos del Departamento de Tumbes (Perú)
(Study of the ichthyological fauna of the lagoons and lower parts of the rivers of Tumbes region (Peru)). En

Gives the results of a taxonomic study of the collection of the Laboratorio de Hidrobiología, Servicio de Pesquería, Lima, Peru. 43 families with 105 spp., of which 34 are not previously reported from Peruvian fauna and one apparantly new to science are studied.

Johnson, W.E. & C. Groot (1963) 10-22910 MF
J.Fish.Res.Bd Can., 20(4):919-38
Observations on the migration of young sockeye salmon (Oncorhynchus nerka) through a large, complex lake system

Clancy, D.W. (1963) 10-22911 MF
J.Fish.Res.Bd Can., 20(4):969-81
The effect of tagging with Petersen disc tags on the swimming ability of fingerling steelhead trout (Salmo gairdneri)

Kol'gaev, A.M. (1961) 10-22912 MF
Ryb.Promyshl., (8):23
Tannin protiv razlozheniia obolochek ikry osennei kety
(Use of tannin to prevent decay of the egg shell in autumn salmon)

Kramer, R.H. & L.L. Smith Jr. (1965) 10-22913 MF
Trans.Amer.Fish.Soc., 94(3):252-8
Effects of suspended wood fiber on brown and rainbow trout eggs and alevins

The eggs of Salmo trutta and S. gairdneri before hatching were tested.

Cooke, P.H. (1965) 10-22914 MF
Trans.Amer.Fish.Soc., 94(3):265-7
Head scale pattern as a characteristic for the identification of Fundulus heteroclitus and Fundulus majalis

Brown, B.E. (1965) 10-22915 MF
Trans.Amer.Fish.Soc., 94(3):278-9
Meristic counts of striped bass from Alabama

18 spp. of Roccus saxatilis from rivers and estuaries were measured.

Svetovidov, A.N. (1964) 10-22916 MF
Copeia, (1):118-30
Systematics of the North American anadromous clupeoid fishes of the genera Alosa, Caspialosa, and Pomolobus

The osteological and other differential characters of the spp. of the European and North American clupeoid nominal genera Alosa, Caspialosa, and Pomolobus have been studied. They are united here under one name, Alosa Link. The differences between Alosa and Pomolobus are considerably more significant, and Pomolobus is defined as a subgenus of Alosa.

Anderson, W.D. (1964) 10-22917 MF
Copeia, (1):243-4
New records of fishes for South Carolina, and the occurrence of Chaetodipterus faber in fresh water

Hashmi, S.S. & S.S.H. Zaidi (1965) 10-22918 MF
Agric.Pakist., 16(1):117-26
Incidence of Lepas infestation on the gills of Scylla serrata (Forskal) in Karachi waters

Regan, C. (1965) 10-22919 MF
Pacif.Discov., 18(3):28-30
A salmon named indomitable

A 14-inch silver salmon returned to the hatchery tank in northern California where he had been reared by conquering extremely difficult obstacles.

Géry, J. (1964)A 10-22920 MF
Trop.Fish Hobbyist, May:5-10, 63-7
A review of the Chilodinae, with a key to the species

Kock, L.L. (1963) 10-22921 MF
Acta anat., 55(1/2):39-50
Eine histologische Untersuchung der Kopfregion zweier Salmoniden mit besonderer Berücksichtigung der Druck- und Chemorezeptoren
(A histological study of the head region of two salmonids with special reference to pressor- and chemoreceptors)

LZ 10(3):651.

Tilak, R. (1963) 10-22922 MF
Z.wiss.Zool.(A), 168(3/4):281-320
Das Osteocranium und der Webersche Apparat der Fische aus der Familie Sisoridae (Siluroidea): Eine Untersuchung über Anpassung und Taxionomie
(The osteocranium and the Weberian apparatus of the fishes of the family Sisoridae (Siluroidea): A study in adaptation and taxonomy)

LZ 9(5)9012.

Hartt, A.C. (1963) 10-22923 MF
West.Fish., 66(4):22-4, 26
Intermingling of salmon in the North Pacific

LZ 9(5)9055.

Mann, H. (1963) 10-22924 MF
Wasserwirtschaft, Stuttg., 53(11):406-9
Wasserführung und Aalfang in der Elbe
(Water-abundance and catch of eel in the Elbe river)

LZ 9(9)9115.

Mugiya, Y. (1964) 10-22925 MF
Bull.Jap.Soc.sci.Fish., 30(12):955-61
Calcification in fish and shell-fish. 3. Seasonal occurrence of a prealbumin fraction in the otolith fluid of some fish, corresponding to the period of opaque zone formation in the otolith

Seasonal determination of protein concentration and distribution of protein fractions in the otolith fluid of *Kareius bicoloratus*, *Limanda herzensteini*, *Carassius auratus* and *Salmo gairdnerii irideus*.

Kurohagi, T. (1965) 10-22926 MF
Sci.Rep.Hokkaido Salm.Hatch., (19):61-74
(Some ecological studies on the kokanee salmon (*O. nerka* var. *adonis*) in Lake Shikotsu, Hokkaido. 3. Note on the growth and age of adult scale in 1949-1951).
Ni En

Comparison of growth and age composition of spawning groups in 1949, 1950 and 1951.
Co 8-08471.

Enomoto, N., H. Nakagawa & 10-22927 MF
Y. Tomiyasu (1964)
Bull.Jap.Soc.sci.Fish., 30(6):495-9
(Studies on the external mucous substance of fishes. 9. Preparation of crystalline N-acetylneuraminic acid from the external mucous substance of loach). *Ni* En

Tests carried out to ascertain chemical properties.
Co 9-03409.

Davis, C.C. (1964) 10-22928 MF
Pacif.Sci., 18(4):378-84
A study of the hatching process in aquatic invertebrates. 9. Hatching within the brood sac of the ovoviviparous isopod, *Cirolana* sp. (Isopoda, Cirolanidae). 10. Hatching in the freshwater shrimp, *Potimirim glabra* (Kingsley) (Macrura, Atyidae)
Co 10-12025.

Tokui, T. (1964) 10-22929 MF
Sci.Rep.Hokkaido Salm.Hatch., (18):73-90
(Studies on the kokanee salmon. 5. Transplantations of the kokanee salmon in Japan). *Ni* En

Results of transplantations into many Japanese lakes, with table showing date of planting, source of eggs and number planted, number of fry released.

Oguri, M., N. Takada & 10-22930 MF
R. Ichikawa (1965)
Bull.Jap.Soc.sci.Fish., 31(6):435-8
Metabolism of radionuclides in fish. 4. Strontium-calcium discrimination in the renal excretion of fish

Investigation of the behaviour of strontium and calcium in the renal excretion of fish, using the snake-head fish, *Channa argus*.

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Shomura, R.S. (1964) 10-22931 MF
Trans.Amer.Fish.Soc., 93(3):291-4
Effectiveness of Tilapia as live bait for
skipjack tuna fishing

Courtright, R.C. (1964) 10-22932 MF
Trans.Amer.Fish.Soc., 93(2):200-1
A method for making fish scale impressions
in the field or laboratory

McAllister, D.E. (1964) 10-22933 MF
Canad.Fld Nat., 78(3):167-78
Fish collections from eastern Hudson Bay

Distribution and ecological data. 28 marine and freshwater fishes are reported.

Eales, J.G. (1965) 10-22934 MF
Canad.J.Zool., 43(5):719-29
Factors influencing seasonal changes in
thyroid activity in juvenile steelhead
trout, Salmo gairdneri

Becker, C.D. & M. Katz (1965) 10-22935 MF
J.Fish.Res.Bd Can., 22(5):1175-95
Distribution, ecology, and biology of the
salmonid leech, Piscicola salmositica
(Rhynchobdellae: Piscicolidae)

Survey on ectoparasitic leeches of salmonid fishes in freshwaters and marine waters off West Canada and U.S.A.

Davenport, D. & W.R. Harling 10-22936 MF
(1965)
J.Fish.Res.Bd Can., 22(5):1309-10
Method of rapid measurement for large
samples of fish

Jonas, R.E.E. & E. Bilinski 10-22937 MF
(1965)
J.Fish.Res.Bd Can., 22(4):891-8
Ketone bodies in the blood of salmonoid
fishes

Salmo gairdnerii and Oncorhynchus nerka were investigated.

Hartman, G.F. (1965) 10-22938 MF
J.Fish.Res.Bd Can., 22(4):1035-81
The role of behavior in the ecology and
interaction of underyearling coho salmon
(Oncorhynchus kisutch) and steelhead trout
(Salmo gairdneri)

Chandra, R. (1964) 10-22939 MF
Indian J.Fish., 9(1):48-70
A preliminary account of the distribution
and abundance of fish larvae in the
Hooghly estuary

Concerns Hilsa ilisha, Setipinna phasa, Pama pama, Polynemus paradiseus and Eleutheronema tetradactylum.

von Sengbusch, R. (1963) 10-22940 MF
Züchter, 33(7):284-6
Fische ohne Gräten
(Fishes without bones)

Considers the possibilities for culture of some Cyprinidae and Salmonidae mutations with smaller amount of fishbones.
LZ 9(10)9012.

Creutzberg, F. (1963) 10-22941 MF
Ergebn.Biol., 26:118-27
The role of tidal streams in the
navigation of migrating elvers (Anguilla
vulgaris Turt.

LZ 9(10)9034.

Alabaster, J.S. & F.S.H. Abram 10-22942 MF
(1964)
J.Wat.Poll.Contr.Fed., 36(3):272
Development and use of a direct method
of evaluating toxicity to fish

LZ 10(2)9151.

Sharratt, B.M., I. Chester Jones 10-22943 MF
& D. Bellamy (1964)
Comp.Biochem.Physiol., 11(1):9-18
Water and electrolyte composition of the
body and renal function of the eel
(Anguilla anguilla L.)

The water, sodium, potassium and chloride contents of serum and muscle of yellow and silver eels (Anguilla anguilla L.) in fresh water and sea water are given, together with urine output and glomerular filtration rates.

Sharratt, B.M., D. Bellamy & I. Chester Jones (1964) 10-22944 MF
Comp.Biochem.Physiol., 11(1):19-30
Adaptation of the silver eel (Anguilla anguilla L.) to sea water and to artificial media together with observations on the role of the gut

Examines some of the conditions required for the establishment of the drinking reflex and possible mechanisms of water absorption from the gut.

Enger, P.S. (1964) 10-22945 MF
Comp.Biochem.Physiol., 11(1):131-7
Ionic composition of the cranial and labyrinthine fluids and saccular d.c. potentials in fish

Saccular endolymph, cranial fluid and blood plasma of three species of teleosts Gadus morrhua, Cottus scorpius, Salmo irideus, and two of elasmobranchs Raja clovata, Cetorhinus maximus, were analysed for Cl, Na and K, and the saccular (endolymphatic) d.c. potential of Cottus scorpius (teleost) recorded.

Boiko, E.G. (1961)C 10-22946 MF
In 10-20151
Vosproizvodstvo donskikh osetrovykh v 1960 godu
(The reproduction of Don Acipenseridae in 1960)

Avedikova, T.M. (1961)C 10-22947 MF
In 10-20151
Usloviia i effektivnost' neresta osetrovykh v raione Tsimlianskoi plotiny i Gorskogo perekata v 1960 godu
(The conditions and effectiveness of the spawning of Acipenseridae in the area of the Tsimliansk Dam and the Gorsk Bank in 1960)

Naumova, V.I. (1961)C 10-22948 MF
In 10-20151
Pitanie molodi osetrovykh v r.Don v 1960 godu
(The nutrition of Acipenseridae fry in the Don in 1960)

Timofeev, I.N. (1961)C 10-22949 MF
In 10-20151
Sostav ulova tarannykh setei v Berdianskom i Obitochnom zalivakh Azovskogo moria
(The composition of the catch in roach nets in Berdiansk and Obitochnoe Bay in the Sea of Azov)

Troitskii, S.K. et al. (1961)C 10-22950 MF
In 10-20151
Vyrashchivanie gibrida v Sukhom, Iurchevskom i Shaparievskom limanakh v 1960 g.
(Hybrid rearing in the Sukhoe, Iurchevskoe and Shaparievskoe limans in 1960)

Tamanskaia, G.G. (1961)C 10-22951 MF
In 10-20151
Usloviia i rezul'taty neresta sudaka i tarani v kubanskikh limanakh v 1960 g.
(Spawning of the pike-perch and Black Sea roach in the Kuban limans in 1960: conditions and results)

Abaev, Iu.I. (1961)C 10-22952 MF
In 10-20151
Usloviia vyzhivaniia molodi tarani v Beisugskom limane posle vypuska ee iz nerestovo-vyrastnogo khoziaistva
(Conditions for survival of Black Sea roach fry in the Beisugskii liman after release from spawning and rearing farms)

Musatova, G.N. & V.S. Podgornov (1961)C 10-22953 MF
In 10-20151
Uchet skata molodi osetrovykh v r.Kubani i otsenka effektivnosti iskusstvennogo razvitiia sevriugi
(Calculating the run of sturgeon fry in the River Kuban and estimating the effectiveness of artificial development of the Caspian sturgeon)

Sukhanova, E.R. & A.G. Krylova (1961)C 10-22954 MF
In 10-20151
Vliianie smeny solenosti na biologiiu limanov i vosproizvodstvo v nikh sudaka i tarani
(The effect of change of salinity on the biology of limans and on the reproduction of pike-perch and Black Sea roach in them)

Gun'ko, A.F. (1961)C 10-22955 MF
In 10-20151
Razvedenie osetrovykh s regulirovaniem temperatury inkubatsii
(Rearing sturgeon at a regulated incubation temperature)

Karpus', L.T. (1961)C 10-22956 MF
In 10-20151
Osobennosti zarodyshevogo razvitiia osetra i sevriugi pri iskusstvennom regulirovanii temperatury
(Features of the embryonic development of the sturgeon and Caspian sturgeon under conditions of artificial temperature regulation)

Iushchenko, P.S. (1961)C 10-22957 MF
In 10-20151
Ustroistvo dlia neresta proizvoditelei i polucheniia oplodotvorennoi ikry osetrovykh ryb
(A device for spawning sires and obtaining fertilized sturgeon roe)

Iushchenko, P.S. (1961)C 10-22958 MF
In 10-20151
Usovershenstvovannyi apparat dlia inkubatsii ikry osetrovykh
(An improved apparatus for the incubation of sturgeon roe)

Gun'ko, A.F. (1961)C 10-22959 MF
In 10-20151
Razvedenie artemii na osetrovykh zavodakh
(The rearing of Artemia at sturgeon rearing plants)

Karpus', L.T. (1961)C 10-22960 MF
In 10-20151
Perevozka lichinok osetrovykh v polietilenovykh paketakh
(The transportation of sturgeon fry in polythene bags)

Polferova, N.P. (1961)C 10-22961 MF
In 10-20151
Vyrashchivanie molodi sevrugi na raznykh kormakh
(Rearing Caspian sturgeon fry on various foods)

Badenko, L.V. (1961)C 10-22962 MF
In 10-20151
Sravnitel'naia kharakteristika molodi osetrovykh ryb, vyrosshei v raznykh usloviiakh v 1960 g.
(A comparative description of sturgeon fry reared under various conditions in 1960)

Golovanenko, L.F. (1961)C 10-22963 MF
In 10-20151
Vliianie razlichnykh kormovykh ratsionov na fiziologicheskoe sostoianie iskusstvenno razvodimoi osetrovoi molodi
(The effect of different food rations on the physiological state of artificially reared sturgeon fry)

Kasimova, N.E. (1961)C 10-22964 MF
In 10-20151
Vliianie mineral'nykh udobrenii na gidrokhimicheskii rezhim i pervichnuiu produktsiiu vyrastnykh osetrovykh prudov
(The effect of mineral fertilizers on the hydrochemical regime and primary production of sturgeon nursery ponds)

Kargopolova, M.M. (1961)C 10-22965 MF
In 10-20151
Sostav pishchi i temp rosta molodi osetrovykh v period vyrashchivaniia v prudakh
(Food composition and growth rate of sturgeon fry during pond rearing)

Alekseev, N.K. & M.M. Kargopolova (1961)C 10-22966 MF
In 10-20151
Opredelenie kormnosti bentosa vyrastnykh osetrovykh prudov metodom probnykh ploshchadok
(Use of the test area method to determine the food value of benthos in sturgeon nursery ponds)

Zaidiner, Iu.I. (1961)C 10-22967 MF
In 10-20151
Ekonomicheskoe obosnovanie stroitel'stva osetrovykh rybovodnykh zavodov v Azovskom basseine v kratchaishie sroki
(The economic basis for the construction of sturgeon fish-rearing plants in the immediate future in the Azov basin)

Nechaev, P.I. (1961)B 10-22968 MF
Ryb.Khoz., (6):32-5
Tsennyi korm dlia molodi osetrovykh
(A valuable food for sturgeon fry)

Orlov, R.S. (1961) 10-22969 MF
Usp.sovrem.Biol., 52:96-111
O fiziologicheskikh osobennostiakh gladkoi myshtsy (v chastnosti, u vodnykh bespozvonochnykh)
(Physiological characteristics of the smooth muscle, especially in aquatic invertebrates)

Turova, N.F. (1961) 10-22970 MF
Ukr.biokhim.Zh., 33:805-10
Ribonukleinivaia kislota v mozgu zhivotnykh (v chastnosti, ryb) pri elektrosudorozhnykh pristupakh (prosteishii metod tsitofotometrii)
(RNA in the animal brain, with special reference to fishes, in electroconvulsive spasms)

Dimond, M.T. (1965) 10-22971 MF
Nature,Lond., 208(5008):401-2
Hatching time of turtle eggs

Observations on *Chelydra serpentina*, *Chrysemys picta*, and *Caretta caretta*.

Thomas, H.J. (1963) 10-22972 MF
Scot.Fish.Bull., (20):19-23
Experiments with live fish

Hubbs, C. (1963) 10-22973 MF
Tex.J.Sci., 14(3):289-96
Effects of a hurricane on the fish fauna of a coastal pool and drainage ditch

Chestnoi, V.N. (1961) 10-22974 MF
Ryb.Khoz., (9):22-7
Maksimal'nye skorosti dvizheniia ryb
(Maximum swimming speeds of fishes)

Pakulev, A.I. (1961) 10-22975 MF
Ryb.Khoz., (10):24-7
Gidromekhanicheskaia ustanovka dlia transportirovki zhivoi ryby
(A hydromechanical device for transporting live fish)

USSR. Akademiia Nauk. 10-22976 MF
Ikhtiologicheskaia Komissiia (1961)
Trud.Soveshch.ikhtiol.Kom., 13:495
Soveshchanie po dinamike chislennosti ryb
(Conference Proceedings: The dynamics of fish populations)

Borutskii, E.V. (1961) 10-22977 MF
Trud.Soveshch.ikhtiol.Kom., 13
O kormovoi baze i obespechennosti ryb pishchei
(The food base and the available supply of nutrients for fish)

Marti, Iu.Iu. (1961) 10-22978 MF
Trud.Soveshch.ikhtiol.Kom., 13
Migratsii i problema obespechennosti pishchei morskikh ryb
(Migrations and the problem of the availability of food to sea fishes)

Zheltenkova, M.V. (1961) 10-22979 MF
Trud.Soveshch.ikhtiol.Kom., 13
Obespechennost' pishchei vida, populiatsii i pokolenii u ryb
(The availability of food for the species, the population and the broods in fishes)

Poliakov, G.D. (1961) 10-22980 MF
Trud.Soveshch.ikhtiol.Kom., 13
Prisposobitel'noe znachenie izmenchivosti priznakov i svoistv populiatsii ryb
(The adaptive significance of variability of the attributes and properties of fish populations)

Ivlev, V.S. (1961) 10-22981 MF
Trud.Soveshch.ikhtiol.Kom., 13
Metod otsenki obespechennosti ryb pishchei
(A method of evaluating the availability of fish food)

Eremeeva, E.F. (1961) 10-22982 MF
Trud.Soveshch.ikhtiol.Kom., 13
Etapnost' razvitiia i dinamika chislennosti ryb
(The stadial nature of development and the dynamics of fish populations)

Abakumov, V.A. (1961) 10-22983 MF
Trud.Soveshch.ikhtiol.Kom., 13
Metodika izucheniia dinamiki vesovogo i lineinogo prirosta ryb
(Procedure for studying the dynamics of increase in the weight and size of fishes)

Iurovitskii, Iu.G. (1961) 10-22984 MF
Trud.Soveshch.ikhtiol.Kom., 13
O zakonomernostiakh sozrevaniia i dinamiki plodovitosti u ryb
(The features of maturation and fertility dynamics in fishes)

Lapin, Iu.E. (1961) 10-22985 MF
Trud.Soveshch.ikhtiol.Kom., 13
O zakonomernostiakh izmeneniia struktury populiatsii ryb s korotkim zhiznennym tsiklom (tezisy dokl.)
(The pattern of variation of population structure in fishes with a short life cycle)

Maiskii, V.N. (1961) 10-22986 MF
Trud.Soveshch.ikhtiol.Kom., 13
Zakonomernosti dinamiki chislennosti planktoiadnykh ryb Azovskogo moria
(Features of the populations dynamics of the plankton-eating fishes of the Sea of Azov)

Riker, U.E. (1961) 10-22987 MF
Trud.Soveshch.ikhtiol.Kom., 13
Kratkaia istoriia razvitiia teorii dinamiki chislennosti populiatsii ryb v stranakh Zapadnoi Evropy i Severnoi Ameriki
(A brief history of development of the theory of the dynamics of fish populations in western Europe and North America)

Prikhod'ko, B.I. (1961) 10-22988 MF
Trud.Soveshch.ikhtiol.Kom., 13
Vremia zakladki pervogo godovogo kol'tsa na cheshue
(The time of development of the first annual ring on a scale)

Belianina, T.N. (1961) 10-22989 MF
Trud.Soveshch.ikhtiol.Kom., 13
Vliianie otbiraiushchego deistviia obiacheivaiushchikh orudii lova na kachestvennyi sostav oblavlivaemoi populiatsii ryby
(The effect of the selective action of enmeshing fishing gear on the qualitative composition of a pursued fish population)

Koblitskaia, A.F. (1961) 10-22990 MF
Trud.Soveshch.ikhtiol.Kom., 13
Vliianie izmenenii razlichnykh faktorov sredy na kharakter i effektivnost' neresta poluprokhodnykh ryb v nizov'iakh del'ty Volgi
(The effect of alteration of various environmental factors on the nature and efficacy of spawning among semi-migratory fishes in the lower reaches of the Volga delta)

Vladimirov, V.I. (1961) 10-22991 MF
Trud.Soveshch.ikhtiol.Kom., 13
Razmnozhenie sel'di i osetra v usloviiakh zaregulirovannogo stoka reki
(Breeding of the herring and sturgeon when river discharge is regulated)

Girsa, I.I. (1961) 10-22992 MF
Trud.Soveshch.ikhtiol.Kom., 13
Dostupnost' pishchevykh organizmov nekotorym rybam pri raznoi osveshchennosti
(The availability of food organisms to certain fishes under varying conditions of illumination)

Paraketsov, I.A. (1961) 10-22993 MF
Trud.Soveshch.ikhtiol.Kom., 13
Zashchitnoe znachenie shipov i koliuchek u ryb
(The protective significance of barbs and spines in fishes)

Assman, A.V. (1961) 10-22994 MF
Trud.Soveshch.ikhtiol.Kom., 13
O dostupnosti lichinok khironomid dlia ryb
(The availability of chironomid larvae to fishes)

Volodkin, A.V. (1961) 10-22995 MF
Trud.Soveshch.ikhtiol.Kom., 13
O faktorakh vliiaiushchikh na kolebaniia ulovov ryb v Aral'skom more
(The factors that affect variations in catches of fish in the Aral Sea)

Kruglova, V.M. (1961) 10-22996 MF
Trud.Soveshch.ikhtiol.Kom., 13
Znachenie Veselovskogo vodokhranilishcha v vosproizvodstve poluprokhodnykh ryb Azovo-Donskogo basseina
(The significance of the Veselovskoe Reservoir in the reproduction of the semi-migratory fishes of the Sea of Azov and the Don Basin)

Kazancheev, E.N. (1961) 10-22997 MF
Trud.Soveshch.ikhtiol.Kom., 13
O vozmozhnom znachenii gibridizatsii v izmenenii chislennosti volzhskoi sel'di i kaspiiskogo puzanka
(The possible significance of hybridization in the alteration of the numbers of the Volga herring and the Caspian "puzanok", Caspiolosa caspia Eich.)

Lukashov, V.N. (1961) 10-22998 MF
Trud.Soveshch.ikhtiol.Kom., 13
Dinamika chislennosti ekspluatiruemykh stad vobly, leshcha i sudaka Severnogo Kaspiia
(The population dynamics of the exploited stocks of the roach, bream and pike-perch in the northern Caspian)

Ioganzen, B.G. & A.N. Gundrizer (1961) 10-22999 MF
Trud.Soveshch.ikhtiol.Kom., 13
Metodika opredeleniia zapasa prokhodnykh ryb i stepeni ikh ispol'zovaniia v rechnykh usloviiakh
(Procedure for determining the population of migratory fishes and the extent of their utilization under river conditions)

Dement'eva, T.F. (1961) 10-23000 MF
Trud.Soveshch.ikhtiol.Kom., 13
Opredelenie usiliia na edinitsu lova dlia otsenki izmeneniia plotnosti stada
(Determination of effort per unit of catch to estimate variations in the density of a shoal of fish)

ANON. (1961) 10-23001 MF
Trud.Soveshch.ikhtiol.Kom., 13
Rezolutsiia Vsesoiuznogo soveshchaniia po dinamike chislennosti ryb
(Resolution of the All-Union conference on the dynamics of fish populations)

Privol'nev, T. (1961) 10-23002 MF
Rybovod.i Rybolov., (5):29-30
Perevozha zhivoi ryby za rubezhom
(Transportation of live fish abroad)

Mikhailovskaia, A.A. & D.I. Mordvinova (1961)C 10-23003 MF
In 10-20151
Usloviia i rezul'taty estestvennogo razmnozheniia donskikh sel'dei i chekhoni v 1960 godu
(The conditions and results of natural breeding of the Don herring and sichel in 1960)

Armstrong, P.B. & J.S. Child (1965) 10-23004 MF
Biol.Bull.,Woods Hole, 128(2):143-68
Stages in the normal development of Fundulus heteroclitus

Staging following fertilization of the mummichog of the Atlantic coast of U.S.A.

Posewitz, J.A. (1962) 10-23005 F
Proc.Mont.Acad.Sci., 21:49-69
Observations on the fish population of Willow Creek Reservoir, Montana

Records observations on life history, distribution and harvest of rainbow trout (Salmo gairdneri) and brown trout (Salmo trutta) in a coldwater impoundment.

Ibrahim, K.H. (1962) 10-23006 F
Indian J.Fish., 9(2):433-67
Observations on the fishery and biology of the freshwater prawn Macrobranchium malcolmsonii Milne Edwards of River Godavari

Biological observations incl. age and growth, length/weight relation, food and feeding habits, parasitisation, maturation, breeding and migration; note on commercial fishery; suggestions for freshwater culture.

Parry, G. (1961) 10-23007
Mem.Ist.ital.Idrobiol.de Marchi, 13:139-49
Osmoregulation of the freshwater prawn Palaemonetes antennarius

Trofimova, L.M. (1965) 10-23008 F
Gidrobiol.Zh.Kiev, (3):33-7
K izucheniiu kormovoi bazy ryb Egorlykskogo vodokhranilishcha Stavropolskogo kraia
(On the study of the food base of fish of the Egorlyk Reservoir Stavropol region)

Tiwari, R.D. & K.C. Srivastava (1964) 10-23009 F
Indian J.Fish., 9(1):135-39
Study of the component amino-acids of the proteins of the fish *Labeo rohita* at different stages of growth

Sogandares-Bernal, F. & R.D. Lumsden (1964) 10-23010 F
Z.Parasitenk., 24(1):3-12
The heterophyid trematode *Ascocotyle* (A) *leighi* Burton, 1956, from the hearts of certain poeciliid and cyprinodont fishes

Smith, S.H. (1964) 10-23011 F
Trans.Amer.Fish.Soc., 93(2):155-63
Status of the deepwater cisco population of Lake Michigan

Stokes, R.M. & P.O. Fromm (1965) 10-23012 F
Physiol.Zoöl., 38(3):202-05
Effect of chromate on glucose transport by the gut of rainbow trout

Straskraba, M. (1965) 10-23013 F
Arch.Hydrobiol., 61(4):515-36
On the distribution of the macrofauna and fish in two streams, Lucina and Morávka. De

Yamagami, K. (1963) 10-23014 F
Sci.Pap.Coll.gen.Educ.Univ.Tokyo, 13(2): 223-30
Phosphorus metabolism in fish eggs. 5. Acid and alkaline phosphomonoesterases in the whole egg of *Oryzias latipes*

Yamamoto, M. (1963) 10-23015 F
J.Fac.Sci.Univ.Tokyo (4), 10(1):115-22, 123-8
Electron microscopy of fish development. 1. Fine structure of the hatching glands of embryos of the teleost, *Oryzias latipes*. 2. Oocytefollicle cell relationship and formation of chorion in *Oryzias latipes*

Gliszczynski, B. (1963) 10-23016 F
Gosp.rybna, 15(7):16-9
Zwiekszenie produkcji z małych jezior przez ich okresowe odwadnianie
(Increasing production from small lakes by periodically draining them). *Pl*

Gurzeda, A. (1963) 10-23017 F
Gosp.rybna, 15(7):10-11
Kilka uwag o połowach kontrolnych w stawach
(Some remarks on control catches in fish ponds). *Pl*

USFWS (1963) 10-23018 F
Fish.Leafl., Wash., 10 p.
List of national fish hatcheries

Ambrosoli Mognoni, G. (1962) 10-23019 F
Rc.Ist.lomb.Sci.Lett.(B), 96(1):154-6
Studi di velocità di sedimentazione di actina e miosina di pesci
(Studies on the sedimentation coefficients of actin and myosin of fishes). *It* En

Determinations of these coefficients for the trout and the tench.

Pugliese, A. (1962) 10-23020 F
Rc.Ist.lomb.Sci.Lett.(B), 95:216-31
Concentrazione di radioattività presente nelle principali specie ittiche commestibili del lago Maggiore
(Radioactivity concentration in the more important commercial species of fish in Lake Maggiore) *It*

Kulda, J. & J. Lom (1964) 10-23021 F
Parasitology, 54(4):753-62
Remarks on the diplomastigine flagellates from the intestine of fishes

SFA 10(2)7450.

Macan, T.T. (1964) 10-23022 F
Riv.Idrobiol., 3(1):75-92
Gabbie di sfarfallamento e di indagine per la fauna reofila
(Emergence traps and the investigation of stream fauna). *It*

Three types of emergence traps were compared. A heavy cage resting permanently on the bottom and designed for running water, was found to be the most satisfactory. Description of the species taken during three years of experiences.

Penczak, T. (1962) 10-23023 F
Fragm.faun.Inst.zool.polsk.Akad.Nauk, 10(10):161 p.
Biometria ciernika Gasterosteus aculeatus L. z rzeki Ner
(The biometry of the threespine stickleback Gasterosteus aculeatus L. from the Ner River). Pl En Ru

McCart, P. (1965) 10-23024 F
J.Fish.Res.Bd Can., 22(5):1229-59
Growth and morphometry of four British Columbia populations of pygmy whitefish (Prosopium coulteri)

Sathyanesan, A.G. (1965) 10-23025 F
Indian J.Fish., 9(1):197-204
The ova-diameter measurements in relation to spawning of Barbus stigma (Cuv. & Val.) in the River Ganges at Banaras

Roth, H. (1963) 10-23026 F
Schweiz.Z.Hydrol., 25(2):202-18
Experimentelle Untersuchungen über das Verhalten der Bachforellenbrut in der Laichgrube
(Experimental investigations on the brown trout fry in the breeding pond)

Ray, P. & A. David (1964) 10-23027 F
Indian J.Fish., 9(1):117-22
A case of fish mortality caused by precipitation of ferric iron in the River Daha at Siwan (North Bihar)

Randall, D.J., L.S. Smith & J.R. Brett (1965) 10-23028 F
Canad.J.Zool., 43(5):863-72
Dorsal aortic blood pressures recorded from the rainbow trout (Salmo gairdneri)

Mount, D.I. (1964) 10-23029 F
Trans.Amer.Fish.Soc., 93(2):174-82
An autopsy technique for zinc-caused fish mortality

Priegel, G.R. (1964) 10-23030 F
Trans.Amer.Fish.Soc., 93(2):199-200
Early scale development in the walleye

Masat, J. & X.J. Musacchia (1965) 10-23031 MF
Comp.Biochem.Physiol., 16(2):215-25
Serum protein concentration changes in the turtle, Chrysemys picta

Scott, W.B. & E.J. Crossman (1964) 10-23032 F
Contr.Life Sci.Div.Ont.Mus., (58):124 p.
Fishes occurring in the fresh waters of insular Newfoundland

SFA 10(2)7584.

Belsare, D.K. (1965) 10-23033 F
Indian J.Fish., 9(1):140-54
Seasonal changes in the ovary of Ophicephalus punctatus Bloch

Calderoni, P. (1964) 10-23034 F
Riv.Idrobiol., 3(1):39-56
Contributo allo studio dello sviluppo e dell'accrescimento del Rutilus rubilio del Trasimeno
(Contribution to the knowledge of development and growth of Rutilus rubilio in the Trasimeno Lake). It En

Description of the stages of embryonic development and observations on the growth rate in both sexes. In both sexes, fishes of the 2nd year are sexually mature, males were found only up to the age of 5 years, but females 7 years old. The histological analyses of the gonads gave no evidence of sexual inversion.

Choate, J. (1964) 10-23035 F
Trans.Amer.Fish.Soc., 93(3):309-11
Use of tetracycline drugs to mark advanced fry and fingerling brook trout (Salvelinus fontinalis)

Di Giovanni, M.V. (1964) 10-23036 F
Riv.Idrobiol., 3(1):9-37
Sguardo alla biodinamica di due laghetti collinari
(A view of the biodynamics of two small farm ponds). It En

Physico-chemical data are reported and surface and depth plankton samples were collected and studied.

Fachini, G. (1964) 10-23037 F
Riv.Idrobiol., 3(1):3-8
Risposta androgena in *Lebistes reticulatus*
(Reactivity to the androgens in *Lebistes reticulatus*). *It* En

The possible precocious development of the anal fin, on animals 1-4 days old, is analyzed by addition of testosterone basis to the water.

Fish, G.R. (1963) 10-23038 F
Ichthyologica, 11(1-2):76-84
Some effects of external conditions upon the water content of rainbow trout in New Zealand lakes

Fries, B.A. & I.M. Whittemore (1965) 10-23039 F
Trans.Am.nucl.Soc., 8:78-9
Radiotracer measurements of the hydraulic behavior of a large shallow pond

Gutenmann, W.H. & D.J. Lisk (1965) 10-23040 F
N.Y.Fish Game J., 12(1):108-11
Conversion of 4-(2,4-DB) herbicide to 2,4-D by bluegills

Hoffman, G.L. & R.E. Putz (1964) 10-23041 F
Proc.helm.Soc.Wash., 27(1):76-82
Studies on *Gydrodactylus macrochiri* n. sp. (Trematoda:Monogenea) from *Lepomis macrochirus*

SFA 10(2)7754.

Hollands, B.C.S. & M.W. Smith (1964) 10-23042 F
J.Physiol., 175(1):31-7
Phosphatases of the goldfish intestine

Houde, E.D. (1964) 10-23043 F
Trans.Amer.Fish.Soc., 93(3):304-6
The strigeid trematode, *Crassiphiala bulboglossa*, from the blacknose dace, *Rhinichthys atratulus*

Howell, J.H. & P.M. Thomas (1964) 10-23044 F
Trans.Amer.Fish.Soc., 93(2):206-8
Anesthetic effect of 4-styrylpyridine on lamprey and fish

Géry, J. (1964) 10-23045 F
Trop.Fish Hobbyist, 1964:13-15, 59-60
Two new tetras from the lower Amazon basin

Jens, G. (1964) 10-23046 F
Arch.FischWiss., 15(Beiheft 1):75 p.
Produktion - Bestand - Ertrag. Vorstellungen zu den oekologischen Grundlagen der Fischereibiologie und zum Eingriff der Technik in das Fliessgewässer als Lebensraum, entwickelt an einer Beurteilung der Mainfischerei
(Production - fish stock - yield. Considerations on the ecological basis of fisheries biology and on the interference of technics on the habitat in running waters, developed during evaluation of the Main River fishery)

Sinha, B.M. (1964) 10-23047 F
Proc.nat.Acad.Sci.India (B), 34(2):42-8
The cranial nerves of *Wallago attu* (Bl. and Schn.)

Fedorova, G.V. (1965) 10-23048 F
Radiobiologiia, 5:690-2
(Entrance of ^{14}C into spawn and grubs of autumn spawning fishes). *Ru*

Roe of the flatfish *Salvelinus lepechini* were investigated.
NSA 20(4)5261.

Hyodo, Y. (1965) 10-23049 F
Radiat.Res., 26:383-94
Development of intestinal damage after X-irradiation and ^{3}H-thymidine incorporation into intestinal epithelial cells of irradiated goldfish, *Carassius auratus*, at different temperatures

NSA 20(4)5374.

Lu, Chung Ying & F.J. Finamore (1963) 10-23050 F
Chem.Abstr., 59, 4987d
Separation and characterization of carp egg ribonucleic

CFA 17(3):23.

Motelica, I. (1962) 10-23051 F
Chem.Abstr., 56, 791c
Regulation of carbohydrate metabolism of fish. 1. Blood

CFA 17(3):23.

Holden, A.V. (1963) 10-23052 F
Chem.Abstr., 58, 4847a
The absorption of C^{14}-labeled DDT from water by fish

CFA 17(3):25.

Ashby, K.R. (1962) 10-23053 F
Chem.Abstr., 57, 10376c
Effect of low concentration of estradiol and testosterone on gonadal differentiation of Salmo trutta

CFA 17(3):27.

Mann, H. (1962) 10-23054 F
Chem.Abstr., 57, 14306e
Damage to fisheries by preparation for destruction of mayflies

CFA 17(3):27.

Jubb, R.A. (1964) 10-23055 F
S.Afr.J.Sci., January 1964:17-21
Freshwater fishes and drainage basins in southern Africa. 1. The Orange and south coastal drainage basins

Duyvené De Wit, J.J. (1964) 10-23056 F
Trans.roy.Soc.S.Afr., 37(2):131-8
Hybridization experiments with acheilognathine fishes (Cyprinidae). Intergeneric hybrids between Paracheilognathus rhombeus and Acheilognathus lanceolatus

Duyvené De Wit, J.J. (1964) 10-23057 F
Zool.Anz., 172(2):107-13
Hybridization experiments in acheilognathine fishes (Cyprinidae, Teleostei)

Srivastava, C.M. & V.R.P. Singh (1964) 10-23058 F
Proc.nat.Acad.Sci.India (B), 34(2):37-41
Inter-relationship between standard length and body weight of Cirrhina mrigala (Hamilton)

Hamoir, G. & S. Konosu (1965) 10-23059 F
Biochem.J., 96:85-97
Carp myogens of white and red muscles. General composition and isolation of low-molecular weight components of abnormal amino acid composition

The general composition of the Cyprinus carpio L. myogens of white and red muscles was examined by electrophoresis and ultracentrifugation. Results bring to light a new difference between the two types of fish muscle.

FiB:mr

Konosu, S., G. Hamoir & J.-F. Pechère (1965)A 10-23060 F
Biochem.J., 96:98-112
Carp myogens of white and red muscles. Properties and amino acid composition of the main low-molecular-weight components of white muscle

Co 10-23059.

Pechère, J.-F. & B. Focant (1965)A 10-23061 F
Biochem.J., 96:113-8
Carp myogens of white and red muscles. Gross isolation on sephadex columns of the low-molecular-weight components and examination of their participation in anaerobic glycogenolysis

Co 10-23060.

Krasnoshchekov, S.I. (1961)B 10-23062 F
Trud.Soveshch.Dinam.Chisl.Ryb., 13:238-47
O prichinakh kolebaniia chislennosti omulia v oz. Baikal
(Causes of the fluctuations in the abundance of the whitefish of Lake Baikal)

Krasnoshchekov, S.I. (1964)C 10-23063 F
9022.56 (N.S. No. 56)
Causes of the fluctuations in the abundance of the whitefish of Lake Baikal

En 10-23062.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Bontemps, S. (1963)B 10-23064 F
Roczn.Nauk rol.(B), 84(2)
Znakowanie jako metoda badań populacji
tarłowej certy
(Marking as a method of investigations
of the spawning *Vimba* populations). *Pl*

Pankova, N.V. (1964) 10-23065 F
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.),
156(1-6):335-7
Cytochemical investigation of nucleic acids
in the early embryogenesis of fish

The loach - *Misgurnus fossilis* - was
investigated.
En 9-11379.

Shkorbatov, G.L. & G.S. 10-23066 F
Kudryavtseva (1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.),
156(1-6):354-6
Changes in the heat and cold resistance of
fish tissue in relation to the temperature
conditions of the medium

Laboratory experiments with *Cyprinus carpio*.
En 10-23067.

Shkorbatov, G.L. & G.S. 10-23067 F
Kudriavtseva (1964)B
Dokl.Akad.Nauk SSSR, 156(2):452-4
(Changes in the heat and cold resistance of
fish tissue in relation to the temperature
conditions of the medium). *Ru*

Privol'nev, T.I. *et al.* (1964)B 10-23068 F
Dokl.Akad.Nauk SSSR, 156(5):1241-3
(Protection of the rainbow trout against lipoid
degeneration of the liver by administration
of phosphatides in the diet). *Ru*

Histological investigation of the lipid
metabolism in *Salmo irideus*.

Privol'nev, T.I. *et al.* (1964) 10-23069 F
Dokl.Akad.Nauk.SSSR(En Transl.biol.Sci.Sec.),
156(1-6):464-6
Protection of the rainbow trout against lipoid
degeneration of the liver by administration
of phosphatides in the diet

En 10-23068.

Mansueti, A.J. (1964) 10-23070 F
Chesapeake Sci., 5(1-2):46-66
Early development of the yellow perch, *Perca
flavescens*

Materials for study were collected from rivers
and streams of Maryland, U.S.A.

Soin, S.G. & Yu.M. Unanyan 10-23071 F
(1964)
Dokl.Akad.Nauk SSSR(En Transl.biol.Sci.Sec.),
154(1-6):18-9
Structure and adaptive importance of the
secondary ovular membrane of the smelt
(Osmeridae)

En 9-11334.

Timofeeva, M.Ia. & K.A. Kaviani 10-23072 F
(1964)B
Biokhimiia, 29(1):110-5
(Nucleic acids of unfertilized eggs and
developing groundling embryos). *Ru*

Timofeeva, M.Ya. & K.A. Kaviani 10-23073 F
(1964)
Biokhimiia(En Transl.), 29(1):96-100
Nucleic acids of unfertilized eggs and
developing groundling embryos

DNA and RNA estimates for unfertilized eggs of
Misgurnus fossilis.
En 10-23072.

Aitkhozin, M.A., N.V. Belitsina 10-23074 F
& A.S. Spirin (1964)
Biokhimiia, 29(1):169-75
(Nucleic acids during early development of
fish embryos (*Misgurnus fossilis*)). *Ru*

Aitkhozin, M.A., N.V. Belitsina 10-23075 F
& A.S. Spirin (1964)
Biokhimiia(En Transl.), 29(1):145-52
Nucleic acids during early development of fish
embryos (*Misgurnus fossilis*)

En 10-23074.

Panfil, J. (A. Hilchen, Transl.) 10-23076 F
(1964)C
OTS, TT-63-11352, 43 p.
Beaver, a vanishing animal in Poland

En J. Panfil, 1960.
Available from the U.S. Department of Commerce, Office of Technical Services, Washington D.C.

Mekhanik, F.Ya. (D.K. Marshall, Jr., Transl.)(1964)C 10-23077 F
NLL M.5552, 5 p.
The effect of oxygen concentration in water on the growth and nitrogen metabolism in the fry of rainbow trout

En 58-2709.
Available from National Lending Library for Science and Technology, Boston Spa, Yorkshire, England.

Bikhovskaia-Pavlovskaia, I.E. et al. (1962)C 10-23078 F
Moskva, Izdatelstvo Akademii Nauk SSSR, 776 p.
(Key to the parasites of fresh-water fishes in the U.S.S.R.). Ru

HA 33(4)3209.

Etoh, H. & N. Egami (1965) 10-23079 F
Annot.zool.jap., 38(3):114-21
Effect of temperature on survival period of the fish, Oryzias latipes, following irradiation with different X-ray doses

Experiments carried out to study the effect of water temperature on the relation between X-ray dose and survival time.

Thomas, J.D. (1964) 10-23080 F
Parasitology, 54(2):263-72
A comparison between the helminth burdens of male and female brown trout, Salmo trutta L., from a natural population in the River Teify, west Wales

HA 34(1)105.

Paperna, I. (1964) 10-23081 F
Bamidgeh, 16(1/2):3-66
The metazoan parasite fauna of Israel inland water fishes

HA 34(1)111.

Crusz, H., W.E. Ratnayake & A.H. Sathananthan (1964) 10-23082 F
Ceylon J.Sci., 5(1):8-17
Observations on the structure and life-cycle of the digenetic fish-trematode Transversotrema patialense (Soparkar)

HA 34(1)303.

Andrássy, I. (1964) 10-23083 F
Acta zool.hung., 10(1/2):1-59
Süsswasser-Nematoden aus den grossen Gebirgsgegenden Ostafrikas
(Freshwater nematodes from the great mountains of East Africa)

HA 34(1)429.

Babaev, B. & A.J. Shcherbakova (1963) 10-23084 F
Izv.Akad.Nauk turkmen.SSR (biol.), (4):86-7
(The control of Bothriocephalus gowkongensis from Ctenopharyngodon idella (Vallenciennes)). Ru

HA 33(3)1877.

Fernando, C.H. & J.I. Furtado (1963) 10-23085 F
Proc.reg.Symp.sci.Knowl.trop.Paras., 1:293-302
Some studies on helminth parasites of freshwater fishes

HA 33(3)1880.

Shulman, R.E. (1963) 10-23086 F
Trud.ostashk.Otd.gos.nauchno-issled.Inst.ozer.-rech.ryb.Khoz., 1:146-53
(Parasite fauna of the local stocks of bream (Abramis brama L.) of the Seliger Lake). Ru

HA 33(3)1885.

Crass, R.S. (1964)C 10-23087 F
Pietermaritzburg, Shuter & Shooter, 167 p.
Freshwater fishes of Natal

Oliver, G.C.S. (1963) 10-23088 F
Salm.Trout Mag., (169):198-202
Management of an artificial brown trout fishery in a water supply reservoir

Describes alternate stocking policies in a 200-acre (160 h) reservoir in England.

Karstein-Oddm., V. (1963) 10-23089 F
Salm.Trout Mag., (169):203-8
Fish cultivation

Describes culture of Salmo salar and S. gairdnerii in salt water in Norway.

Graham, T.R. & J.W. Jones (1962)B 10-23090 F
Proc.zool.Soc.Lond., 139:657-83
The biology of Llyn Tegid trout

Le Cren, E.D. (1962) 10-23091 F
Yearb.Riv.Bds Ass., (1961):57-64
How many fish survive?

A semi popular and brief account of the results of an investigation into the population dynamics of trout in a small beck.

Schoffman, R.J. (1963) 10-23092 F
J.Tenn.Acad.Sci., 38(1):12-4
Age and rate of growth of the yellow bass in Reelfoot Lake

Ci 8-02548.
SFA 8(2)5642.

Frank, S. (1962) 10-23093 F
Věstn.čsl.Spol.zool., 26(4):316-28
(Contribution to the growth and food biology of the brown trout Salmo trutta trutta M. fario and Salmo trutta labrax M. fario in some waters of Czechoslovakia). Cs

SFA 8(2)5665.

Tal, S. (1964)C 10-23094 F
Jerusalem, Ministry for Foreign Affairs, Department for International Cooperation, 8 p.
Survey of fish culture in Cyprus

Egami, N. & Y. Hyodo (1965) 10-23095 F
Annot.zool.Jap., 38(1):8-11
Inhibitory effect of X-irradiation on the development of the ovaries of the fish, Oryzias latipes, in sexually inactive seasons

Effect of X-irradiation on development of ovaries when administered to fish transferred to a warm environment from cold natural surroundings.

Takayama, S. & Y. Ojima (1965) 10-23096 F
Annot.zool.Jap., 38(1):34-8
A histochemical study of the hepatic lesions in rainbow trouts (Salmo irideus)

Histochemical characteristics of normal livers compared with abnormal livers; relation between abnormal livers and diet.

Maheshwari, S.C. (1965) 10-23097 F
Jap.J.Ichthyol., 12(3/6):89-98
The cranial nerves of Mastacembelus armatus (Lacepede)

Ill. description of cranial nerves as part of an attempt to clarify the relation between genera of the family Mastacembelidae and those of families Nandidae and Blenniidae.

Igarashi, K. (1965) 10-23098 F
Bull.Jap.Soc.sci.Fish., 31(1):33-40
(Observations on the development of the scute in landlocked form of three-spined stickleback, Gasterosteus aculeatus microcephalus Linnaeus). Ni En

Ill. description and comparison with G. aculeatus aculeatus.

Goncharova, L.I. (1961) 10-23099 F
Trudy kaliningr.Rybvtuza, 12
K probleme ispol'zovaniia proizvodstvennykh moshchnostei rybovodnykh pitomnikov
(The problem of utilizing the productive capacities of fish-breeding farms)

Dubinin, V.B. (1961) 10-23100 F
Trudy astrakh.Zapov., 5:286-95
O parazitologicheskikh issledovaniiakh v Astrakhanskom zapovednike (v chastnosti, o bolezniakh i parazitakh ryb)
(Parasitological investigation in the Astrakhan Reservation, especially on fish diseases and parasites)

Kozhin, N.I. (1961) 10-23101 F
Rybovod.i Rybolov., (3):56
Razvedenie tilapii v Izraile
(The breeding of Tilapia in Israel)

Tsiunchik, R. (1961) 10-23102 F
Rybovod.i Rybolov., (3):55-6
Prudovoe rybovodstvo Albanii
(Pond fish farming in Albania)

Emerov, B.D. (1961) 10-23103 F
Ryb.Khoz., (3):69-71
K voprosu o basseinykh normakh
vyrabotki
(A note on production quotas for fish
breeding tanks)

Smirnov, A.V. (1961)C 10-23104 F
In 10-20767
Ispol'zovanie ozernykh sapropelei na
udobrenie
(The use of lacustrine sapropels as
fertilizer)

Pidgaiko, M.L. (1961)C 10-23105 F
In 10-20767
Formirovanie fauny novopostroennykh
prudov Inguletskogo massiva
(Formation of the fauna of newly
constructed ponds in the Ingulets
irrigation area)

Movchan, V.A. (1961)C 10-23106 F
In 10-20767
Akklimatizatsiia i vselenie tsennykh
vidov ryb vo vnutrennikh vodoemakh
UkSSR (tezisy dokl.)
(Abstract. Acclimatization and colonization
of valuable fish species in the inland
waters of the Ukrainian Soviet Republic)

Zhakov, L.A. (1961)C 10-23107 F
In 10-20767
Opyty opredeleniia biomassy ryb v malykh
ozerakh v sviazi s voprosami introduktsii
v nikh sigovykh. (tezisy dokl.)
(Abstract. Experimental determination of
the fish biomass in small lakes in
relation to aspects of the introduction
of Coregonidae)

Ioffe, Ts.I. (1961)C 10-23108 F
In 10-20767
K voprosu obogashcheniia kormovoi bazy
ozer severo-zapada
(A note on enrichment of the food base of
lakes in the north-west)

Baranova, I.N. (1961)C 10-23109 F
In 10-20767
O novom sposobe vneseniia zelenogo
organicheskogo udobreniia v prudy
(A new method of applying green organic
fertilizer to ponds)

Kazarnovskii, Iu.E. (1961)C 10-23110 F
In 10-20767
Proekt tekhnicheskikh uslovii i norm
proektirovaniia prudov i vodoemov
(Draft technical conditions and planning
standards for ponds and lakes)

Petrov, G.N. & 10-23111 F
R.A. Safiullin (1961)C
In 10-20767
O pasportizatsii prudov i drugikh
sooruzhenii na malykh rekakh srednego
Povolzh'ia
(Records of ponds and other constructions
on the small rivers of the central Volga)

Zhirnov, A.Z. (1961)C 10-23112 F
In 10-20767
Stroitel'stvo i ekspluatatsiia prudov
s polnym regulirovaniem vesennego stoka v
kolkhozakh Orlovskoi oblasti
(Construction and exploitation of ponds
with complete regulation of spring runoff
in the collective farms of the Orlovsk
region)

Bratushchenkov, V.D. (1961)C 10-23113 F
In 10-20767
Opyt stroitel'stva prudov v kolkhozakh
Rostovskoi oblasti po uproshchennym
proektam
(Experience of the construction of ponds
of simplified designs in collective farms
of the Rostov region)

Shira, E.G. (1961)C 10-23114 F
In 10-20767
Opyt proektirovaniia prudov v
Stalingradskoi oblasti
(Experience of the design of ponds in the
Stalingrad region)

Zhuravel', P.A. (1961)C 10-23115 F
In 10-20767
Opyt obogashcheniia kormovoi fauny dlia
ryb v malykh rekakh stepnoi zony Ukrainy
i voznikaiushchikh na nikh vodokhranilishchakh
(Experience of enriching the food fauna
for fishes in the small rivers of the
Ukrainian steppe zone and the reservoirs
that are being developed on them)

Summerfelt, R.C. (1964)C 10-23116 F
Thesis, Southern Illinois University, 168 p.
Blood proteins, their pattern, variations and functions in the golden shiner, *Notemigonus crysoleucas* Cyprinidae

DA 25(10):6127.

Boni, P. (1965) 10-23117 F
Experientia, 21(4):222-3
Acute toxicity and elimination of phenol injected into fish (*Carassius auratus* L.)

Munz, F.W. & W.N. McFarland (1965) 10-23118 F
Nature, Lond., 206(4987):955-6
A suggested hereditary mechanism for visual pigments of chars (*Salvelinus* spp.)

Muir, B.S. (1963) 10-23119 F
J.Fish.Res.Bd Can., 20(5):1213-30
Vital statistics of *Esox masquinongy* in Nogies Creek, Ontario. 1. Tag loss, mortality due to tagging, and the estimate of exploitation

Lawler, G.H. & G.F.M. Smith (1963) 10-23120 F
J.Fish.Res.Bd Can., 20(6):1431-4
Use of coloured tags in fish population estimates

Some experiments with various types of tags carried out on *Perca flavescens* and *Catostomus commersoni*.

Freed, J. (1965) 10-23121 F
Comp.Biochem.Physiol., 14(4):651-61
Changes in activity of cytochrome oxidase during adaptation of goldfish to different temperatures

Schwassmann, H.O. & L. Kruger (1965) 10-23122 F
J.comp.Neurol., 124(1):113-27
Organization of the visual projection upon the optic tectum of some freshwater fish

Klicka, J. (1965) 10-23123 F
Physiol.Zoöl., 38(2):177
Temperature acclimation in goldfish: lack of evidence for hormonal involvement

Sivadas, P. (1965) 10-23124 F
J.cell.comp.Physiol., 65(2):249-55
Absorption of fat in the alimentary canal of *Tilapia mosambica* (Peters) (Teleostei)

Takano, K. (1964) 10-23125 F
Bull.Fac.Fish.Hokkaido, 15(3):147-55
On the egg formation and the follicular changes in *Lebistes reticulatus*

Ill. examination of the process of egg formation, with special attention to the follicular changes.

Kinoti, G. (1965) 10-23126 F
Bull.World Hlth Org., 31(6):815-25
Observations on the transmission of *Schistosoma haematobium* and *Schistosoma bovis* in the lake region of Tanganyika

Fujita, H. & M. Machino (1965) 10-23127 F
Anat.Rec., 152(1):81-99
Electron microscopic studies on the thyroid gland of a teleost, *Seriola quinqueradiata*

Lewin, R.A. (1965) 10-23128 F
Canad.J.Microbiol., 11(2):135-41
Freshwater species of *Saprospira*

Takeuchi, A. & N. Takeuchi (1965) 10-23129 F
J.Physiol., 177(2):225-39
Localized action of gamma-aminobutyric acid on the crayfish muscle

Whitear, M. (1965) 10-23130 F
Phil.Trans.(B), 248(752):437-56
The fine structure of crustacean proprioceptors. 2. The thoracico-coxal organs in *Carcinus*, *Pagurus* and *Astacus*

Ball, J.N. (1965) 10-23131 F
Phil.Trans.(B), 249(756):69-99
Functional capacity of ecotopic pituitary transplants in the teleost Poecilia formosa, with a comparative discussion on the transplanted pituitary

James, B.L. (1965) 10-23132 F
Parasitology, 55:93-117
The effects of parasitism by larval Digenea on the digestive gland of the intertidal prosobranch, Littorina saxatilis (Olivi) subsp. tenebrosa (Montagu)

Dudel, J. (1965) 10-23133 F
Pflügers.Arch.ges.Physiol., 283(2):104-19
Presynaptic and postsynaptic effects of inhibitory drugs on the crayfish neuromuscular junction

Shapiro, S.M. (1965) 10-23134 F
Amer.J.Psychol., 78(1):21-39
Interocular transfer of pattern-discrimination in the goldfish

Kovalsky, V.W. et al. (1965) 10-23135 F
Priroda,Moskva, 5:69-79
Cobalt in pisciculture. Biogenic migration of chemical elements in ponds.

Glikin, B.M. (1965) 10-23136 F
Priroda,Moskva, 5:112-3
How to keep up water at the required temperature?

Wolf, H. & E.W. Jackson (1963) 10-23137 F
Science, 142(3593):676-8
Hepatomas in rainbow trout: descriptive and experimental epidermiology

DeVillez, E.J. (1965) 10-23138 F
Comp.Biochem.Physiol., 14(4):577-87
Isolation of the proteolytic digestive enzymes from the gastric juice of the crayfish Orconectes virilis (Hagen)

Conte, F.P. & H.H. Wagner (1965) 10-23139 F
Comp.Biochem.Physiol., 14(4):603-21
Development of osmotic and ionic regulation in juvenile steelhead trout Salmo gairdneri

Schiffman, R.H. (1965) 10-23140 F
J.cell.comp.Physiol., 65(1):1-7
Strontium-calcium transport across the gill of rainbow trout (Salmo gairdneri)

Hansen, A.J., O.B. Weeks & R.R. Colwell (1965) 10-23141 F
J.Bact., 89(3):748-52
Taxonomy of Pseudomonas piscicida (Bein) Buck, Meyers, and Leifson

Ramamurthi, R. (1965) 10-23142 F
Curr.Sci., 34(11):351-3
Metabolic response to osmotic stress in some freshwater poikilotherms

Solomon, G., R. Jensen & H. Tanner (1965) 10-23143 F
Amer.J.vet.Res., 26(112):764-71
Hepatic changes in rainbow trout (Salmo gairdneri) fed diets containing peanut, cottonseed, and soybean meals

Romanenko, V.I. (1965) 10-23144 F
Mikrobiol.,Moskva, 34(2):350-7
(A microbiological examination of the Onega Lake, Vygosero water reservoir and the lakes of the Belomor-Baltic channel). Ru

Putz, R.E., G.L. Hoffman & C.E. Dunbar (1965) 10-23145 F
J.Protozool., 12(2):228-36
Two new species of Plistophora (Microsporidea) from North American fish with a synopsis of Microsporidea of freshwater and euryhaline fishes

Hoffman, G.L. (1965) 10-23146 F
J.Protozool., 12(2):273-6
Eimeria aurati n. sp. (Protozoa: Eimeriidae) from goldfish (Carassius auratus) in North America

Kuznetsov, S.I., L.A. Aliverdieva & V.I. Romanenko (1965) 10-23147 F
Dokl.Akad.Nauk SSSR, 161(2):469-72
(A microbiological description of the Chir-Yurt water reservoir). Ru

Bardach, J.E., M. Fujiya & A. Holl (1965) 10-23148 F
Science, 148(3677):1605-7
Detergents: effects on the chemical senses of the fish Ictalurus natalis (le Sueur)

The yellow bullheads from Michigan Lake were exposed to two types of detergents. Histological examination revealed erosion of the taste buds. Other observations revealed impairment of receptor function.

Suthers, R.A. (1965) 10-23149 F
J.exp.Zool., 158(3):319-49
Acoustic orientation by fish-catching bats

Yamamoto, K. et al. (1965) 10-23150 F
Bull.Jap.Soc.sci.Fish., 31(2):123-32
(Studies on the maturing process of the rainbow trout, Salmo gairdnerii irideus. 1. Maturation of the ovary of a one-year old fish.). Ni En

Ill. description of development of ovarian eggs; stage composition of oocytes found in some ovaries; relation between the maturity factor of the ovary; seasonal changes in body length and weight of both mature and immature fish.

Saxena, D.B. & P.L. Bakhshi (1965) 10-23151 F
Jap.J.Ichthyol., 12(3/6):70-81
Cardio-vascular system of some fishes of the torrential streams in India. 1. Heart of Orienus plagiostomus plagiostomus and Botia birdi

Ill. description of external and internal anatomy.

Yasuda, M., Y. Yamazoe & T. Ishihara (1965)A 10-23152 F
Bull.Fac.Fish.Nagasaki, (18):51-8
(Studies on the metabolism of oxalic acid in fish muscle.1. Seasonal variations and influence of temperature on oxalic acid content in fish muscles). Ni En

Tanaka, M. & Y. Shiraishi (1964) 10-23153 F
Bull.Freshw.Fish.Res.Lab., 14(1):77-90
(Fundamental study of Lake Yunoko for its fisheries development. 5. Estimation of the total number of the fish catch in fishing season observed through anglers record). Ni En

Creel census carried out in attempt to ascertain total fish population of lake, to establish a method for population assessment and formulate plans for management.
Co 10-21722.

Okubo, H., T. Miyajiima & H. Koyama (1964) 10-23154 F
Bull.Freshw.Fish.Res.Lab., 14(1):11-21
(Studies on the decrement of carp during the stocking in winter). Ni En

Results of experiments carried out to ascertain effect of environmental conditions, handling and feeding on decrease in number of fish.

Peyraud, C. (1964) 10-23155 F
C.R.Séanc.Soc.Biol., 158(5):1159-65
Chromatic vision in a teleost, Abramis brama L.

van den Oord, A. (1964) 10-23156 F
Comp.Biochem.Physiol., 13(4):461-9
The absence of cholesterol synthesis in the crab, Cancer pagurus L.

Kennedy, D. & D-F. Mellon Jr. (1964) 10-23157 F
Comp.Biochem.Physiol., 13(4):275-301
Synaptic activation and receptive fields in crayfish interneurons

Bielawski, J. (1964) 10-23158 F
Comp.Biochem.Physiol., 13(4):423-33
Chloride transport and water intake into isolated gills of crayfish

Konishi, J. & C.P. Hickman Jr. (1964) 10-23159 F
Comp.Biochem.Physiol., 13(4):433-43
Temperature acclimation in the central nervous system of rainbow trout (Salmo gairdneri)

Vámos, R. (1964) 10-23160 F
Acta biol.Acad.Sci.hung., 15(6):19
The forming of the poisonous chain
(H_2S - SO_2 - NH_3 - HCN-toxins) in
fishponds

Iravani, J. (1965) 10-23161 F
Pflügers Arch.ges.Physiol., 283(4):R9
Wechselwirkung von Piperazin und Gaba
an einer Synapse des Krebses
(Mutual exchange of piperazin and gaba in
a synopsis of the crayfish)

Morita, Y. (1965) 10-23162 F
Pflügers Arch.ges.Physiol., 283(4):R30
Erregung und Hemmung pinealer Neurone der
Regenbogenforelle (*Salmo irideus*) bei
Belichtung des Zwischenhirns
(Stimulation and inhibition of pineal
neurons in the rainbow-trout (*Salmo irideus*)
while exposing the midbrain to light)

Thommen, H. & U. Gloor (1965) 10-23163 F
Naturwissenschaften, 52(7):161-2
Zum Vorkommen von Keto-Carotinoiden in
der Forelle
(The occurrence of keto-carotinoids in the
trout)

Snieszko, S.F. *et al.* (1964) 10-23164 F
J.Bact., 88(6):1809-10
Nocardial infection in hatchery-reared
fingerling rainbow trout (*Salmo gairdneri*)

Hunn, J.B. (1964) 10-23165 F
Proc.Soc.exp.Biol., N.Y., 117(2):383-534
Some patho-physiologic effects of
bacterial kidney disease in brook trout

Creach, Y. & A. Serfaty (1964) 10-23166 F
C.R.Séanc.Soc.Biol., 158(5):1152-6
The free amino acids of the blood of the
common carp (*Cyprinus carpio* L.)

Ali, M.A. (1964) 10-23167 F
Canad.J.Zool., 42(6):1158-60
Retina of the albino splake (*Salvelinus
fontinalis* and *S. namaycush*)

Eales, J.G. (1964) 10-23168 F
Canad.J.Zool., 42(5):829-43
The influence of temperature on thyroid
histology and radioiodine metabolism of
yearling steelhead trout, *Salmo gairdneri*

Smith, M.W. (1964) 10-23169 F
J.Physiol., 175(1):38-50
The *in vitro* absorption of water and
solutes from the intestine of goldfish,
Carassius auratus

Petruk, G.F. (1964) 10-23170 F
Mikrobiol.,Moskva, 33(6):1010-8
(The effect of herbicides upon heterotroph
microorganisms of ponds). *Ru*

Barron, J.C. (1964) 10-23171 F
Tex.J.Sci., 16(4):449-51
Reproduction and apparent over-winter
survival of the suckermouth armored
catfish, *Plecostomus* sp., in the
headwaters of the San Antonio River

Mazeaud, F. (1964) 10-23172 F
C.R.Séanc.Soc.Biol., 158(6):1230-75
Biphasic hyperglycemia due to adrenaline
in the carp

Bitterman, M.E. (1964) 10-23173 F
J.comp.physiol.Psychol., 58(3):359-67
Classical conditioning in the goldfish as
a function of the CS-US interval

Mansueti, R.J. (1963) 10-23174 F
Quart.Rev.Biol., 38(1):96-7
Rainbow trout in Mexico and California

Re 60-2923.

Paul, R.M. (1962) 10-23175 F
Trans.N.Amer.Wildl.Conf., (27):184-91
The federal pest control review board

WR (109):5.

Springer, P.F. (1962) 10-23176 F
Summ.bienn.publ.Hlth Vect.Conf., 4:91-4
Recent developments in the use of pesticides/
interests of fish and wildlife agencies

WR (109):5.

Vuković, T. (1963) 10-23177 F
Bull.sci.Cons.Acad.Yougosl., 8(1-2):9
Syngnathus abaster Risso and Gobius microps Krÿy - two new species of the freshwater ichthyofauna of Yugoslavia

Sundes, G. (1963) 10-23178 F
Fiskeridir.Skr.Havundersøk., 13(5):8 p.
Studies on the high nitrogen content in the physostome swimbladder

New insight into fact that swimbladder of buoyant physostomes contains 99% nitrogen. It is suggested that high nitrogen content in some coregonid swimbladders and high oxygen content in others is not merely due to different gas deposition mixtures. Deep water fishes used in studies were Salmo alpinus from Randsfjord lake in Norway and Salmo salvelinus from Bodensee in Germany.
Ci 59-4460, 60-1397.

Wohlfarth, G., M. Lahman & R. Moav (1963) 10-23179 F
Bamidgeh, 15(1):3-8
Genetic improvement of carp. 4. Leather and line carp in fish ponds of Israel. Iw

Paperna, I. (1963) 10-23180 F
Bamidgeh, 15(1):8-28
Some observations on the biology and ecology of Dactylogyrus vastator in Israel

Rates of development of the various stages of the parasite from egg to sexually mature trematode have been investigated. Physiochemical factors of importance in the ecological environment of the parasite are the water salinity and the temperature. D. vastator is a stenohalinic parasite that thrives only in water salinities less than 1500 mg Cl/L. Higher salinities destroy the hatched larvae and thus prevent further propagation. Adult trematodes tolerate water salinities up to 6000 mg Cl/L., beyond which they die within 24 hours. The optimal temperature for proliferation of the parasite is 22-24 deg.C.

Krishnamoorthy, K.P. & G. Visweswara (1963) 10-23181 F
Hydrobiologia, 21(3/4):275-303
Hydrobiological studies with reference to sudden fish mortality

Data on hydrobiological examination of water before, during and after fish mortality are presented.

Dusart, J. (1963) 10-23182 F
Hydrobiologia, 21(3/4):328-41
Contribution à l'étude de l'adaptation des Tilapia (Pisces Cichlidae) à la vie en milieu mal oxygéné
(Contribution to the study of adaptation in Tilapia (Pisces Cichlidae) to a badly oxygenated environment). En

A study of the oxygen dissociation curve of the hemoglobin and the reaction of fish in low oxygen concentration waters.

Christie, R.M. & H.I. Battle (1963) 10-23183 F
Canad.J.Zool., 41(1):51-61
Histological effects of 3-trifluormethyl-4-nitrophenol (TFM) on larval lamprey and trout

A study to determine the effects of TFM on the tissues of larvae of the American brook lamprey Entosphenus lamottei together with a comparison of the effects on Salmo gairdneri.

Pfeiffer, W. (1963) 10-23184 F
Canad.J.Zool., 41(1):69-77
The fright reaction in North American fish

Fright reactions found in five spp. of N. American Cyprinidae and in two spp. of Catostomidae.

Christian, A. et al. (1963) 10-23185 F
Bul.Inst.Cerc.pisc., 22(1):5-20
Reproducerea timpurie a crapului 1. (Date preliminare). Cercetari si experimentari la statiunea de cercetari piscicole Nucet
(Precocious reproduction in the carp 1. (Preliminary data). Research and experiments at the Nucet station). Ro Fr Ru

Experiments with warmed water and injections of hypophysis.

Busnita, A. & I. Cautis (1963) 10-23186 F
Bul.Inst.Cerc.pisc., 22(1):21-9
Reproducerea timpurie a crapului 2. (Date preliminare). Cercetari si experimentari la centrul Ovidiu
(Precocious reproduction in the carp 2. Research and experiments at the Ovidiu regional central). Ro Fr Ru

Used warm water from the thermal centre.
Co 10-23185.

Nalbant, T. (1963) 10-23187 F
Bul.Inst.Cerc.pisc., 22(1):102-4
Un hibrid natural intre babusca si oblet
(A natural hybrid between the roach and the bleak)

Describes and figures an example caught in August 1962 in Bugeac pond. Gives notes on food and habitat and compares specimen with other hybrids.

Smith, L.L. (1963) 10-23188 F
Trans.Amer.Fish.Soc., 92(3):220-34
Survival of walleye eggs in relation to wood fibers and Sphaerotilus natans in the Rainy River, Minnesota

Study to determine adverse effects of wood fibers and S. natans on the survival of Stizostedion vitreum vitreum eggs incubated in water carrying wood wastes and on bottoms composed primarily of wood fibers.

Lewis, W.M., R.C. Summerfelt & A. Lopinot (1963) 10-23189 F
Trans.Amer.Fish.Soc., 92(3):235-8
Results of stocking catchable-sized warmwater fishes in a lake with an established fish population

Provides information on the returns that can be expected on stocked, catchable-sized, warmwater fishes, and indicates that stocking may have important effects on the catch of native fishes.

Purkett, C.A., Jr. (1963) 10-23190 F
Trans.Amer.Fish.Soc., 92(3):239-44
The paddlefish fishery of the Osage River and the Lake of the Ozarks, Missouri

Creel census, tag returns, age and mortality information on Polyodon spathula.

Wells, L. & A.M. Beeton (1963) 10-23191 F
Trans.Amer.Fish.Soc., 92(3):245-55
Food of the bloater, Coregonus hoyi, in Lake Michigan

Analyses of stomachs of 1469 Lake Michigan bloaters (Coregonus hoyi) and 461 additional stomachs of fish shorter than 6 inches where identification as to species of Leucichthys or Coregonus is not possible.

Vibert, R. (1963) 10-23192 F
Trans.Amer.Fish.Soc., 92(3):265-75
Neurophysiology of electric fishing

An explanation of the neurophysiological mechanisms leading to the galvanotaxy of fish with direct current electrofishing was developed by observing reactions of the fish to different potential gradients and by sectioning or otherwise interfering with the nervous system at various points.

Nilsson, N.-A. (1963) 10-23193 F
Trans.Amer.Fish.Soc., 92(3):276-85
Interaction between trout and char in Scandinavia

Discusses primarily food habits and habitat relationships.

Yashouv, A. (1963) 10-23194 F
Trans.Amer.Fish.Soc., 92(3):292-7
Increasing fish production in ponds

Discusses fertilization of ponds, species combinations and production capacities of ponds in Israel.

Churchill, W.S. (1963) 10-23195 F
Trans.Amer.Fish.Soc., 92(3):298-300
The effect of fin removal on survival, growth, and vulnerability to capture of stocked walleye fingerlings

Swift, D.R. (1963) 10-23196 F
Trans.Amer.Fish.Soc., 92(3):300-1
Influence of oxygen concentration on growth of brown trout, Salmo trutta L.

Experiment shows oxygen concentration appears to have little effect on salmonid growth.

Priegel, G.R. (1963) 10-23197 F
Trans.Amer.Fish.Soc., 92(3):312-3
Food of walleye and sauger in Lake Winnebago, Wisconsin

Study based on 1204 walleye (S. vitreum) and 860 sauger (S. canadense) stomachs.

Ross, A.J., W.T. Yasutake & G.R. White (1963) 10-23198 F
Trans.Amer.Fish.Soc., 92(3):313-5
Hermaphroditism in rainbow trout

Describes one specimen.

McCrimmon, H.H. (1963)A 10-23199 F
Trans.Amer.Fish.Soc., 92(3):315-7
The recovery of tagged lake trout, Salvelinus namaycush , from Lake Simcoe, Ontario

Springer, V.G. & J.H. Finucane (1963) 10-23200 F
Trans.Amer.Fish.Soc., 92(3):317-8
The African cichlid, Tilapia heudeloti Dumeril, in the commercial fish catch of Florida

Information on first taking of T. heudeloti from natural waters of Florida.

ANON. (1963) 10-23201 F
U.S.Trout News, 8(1):5
More on hepatoma. California experiments indicate cause of trout disease

Experiment indicates cottonseed meal in dry fish food diet was followed by high incidence of hepatoma.

Hobbs, H.H., Jr. & M. Walton (1963) 10-23202 F
Amer.Midl.Nat., 69(2):456-61
Three new ostracods (Ostracoda, Entocytheridae) from the Duck River drainage in Tennessee

Describes Uncinocythere zancla, sp.nov., Anklyocythere hyba sp.nov., and Dactylocythere xystroides, epizootic on crayfish.

Srivastava, P.N. (1963)A 10-23203 F
Naturwissenschaften, 50(15):528-9
Effect of hypophysectomy and thiourea treatment on radiophosphorus metabolism in goldfish, Carassius auratus L.

Donaszy, E. (1964) 10-23204 F
Mezogazd.Vilagirodalom, 6:131-6
Aspects of stocking fishponds

Kwiatkowska-Grabacka, E. (1964) 10-23205 F
Acta hydrobiol.,Kraków, 6(1):1-11
Infusoria appearing on the mowed plants in ponds. Pl

Data on the fauna of Infusoria developed in nonconcentrated mowed flora remaining in ponds and placed in the aquarium.

Wróbel, S. (1964)A 10-23206 F
Acta hydrobiol.,Kraków, 6(1):13-9
Versuche zur Bestimmung des Nährstoffbedarfes in Fischteichen
(Experiments for the determination of food requirements in fish ponds). Pl

Waluga, D. (1964)A 10-23207 F
Acta hydrobiol.,Kraków, 6(1):21-5
Changes in the liver of rainbow trout (Salmo gairdneri Richardson) under the influence of food intoxication. Pl

Pasternak, K. (1964) 10-23208 F
Acta hydrobiol.,Kraków, 6(1):27-39
Observations on the transformation of banks in the Goczałkowice Reservoir. Pl

Preliminary data on changes in banks and morphology of bottom, and some physico-chemical properties of the water.

Szumiec, M. (1964) 10-23209 F
Acta hydrobiol.,Kraków, 6(1):41-60
Thermo-dynamic characteristics of rearing carp ponds. Pl

Presents thermo-dynamics of different ponds used in rearing carp and the determination of thermal differences and analogies for demonstrating the regularity between time-space alterations of temperature and the size of reservoir.

Wajdowicz, Z. (1964)A 10-23210 F
Acta hydrobiol.,Kraków, 6(1):61-79
The development of ichthyofauna in dam reservoirs with small variations in water level. Pl

Hartlieb, R. (1963) 10-23211 F
Allg.Fisch.Ztg., 88(19):544-6
Der Stechbüttel im Wassernest
(The stickleback in the water nest)

Keiz, G. (1963) 10-23212 F
Allg.Fisch.Ztg., 88(19):551-3
Vergleich der Wachstumsleistung importierter Satzkarpfen aus Israel mit Karpfen Wielenbacher Herkunft
(Comparison of the growth rate of the imported carps from Israel with the carps from Wielenbach)

Filho, H.M. & D.M.M. Mômoli (1963) 10-23213 F
Bol.Univ.Paraná (Bot.), (9):7 p.
Diatomáceas no trato digestivo do Australorbis glabratus (Say, 1818)
(Diatoms in the digestive tract of Australorbis glabratus (Say, 1818))

List of species.

Zarnecki (1963) 10-23214 F
Dtsch.Fisch.-Ztg, 10(7):185-9
Markierung von Karpfen mit Höllensteinstift
(Tagging of carps with lunar caustic)

Chouinard, L.A. (1963) 10-23215 F
Canad.J.Zool., 41(6):997-1010
Sites of formation of the extra nucleoli during early oocyte growth in the freshwater teleost Salvelinus fontinalis Mitchill

The behaviour of nuclear structures during early oocyte growth in S. fontinalis is described with special attention focussed on the sites at which the extra nucleoli first appeared.

Richardson, W.M. (1963) 10-23216 F
Calif.Fish Game, 49(3):218-9
Fish culture

Re 8-03454.

Craigie, D.E. (1963) 10-23217 F
Canad.J.Zool., 41(5):825-30
An effect of water hardness in the thermal resistance of the rainbow trout, Salmo gairdnerii Richardson

Two groups of S. gairdnerii were reared from fertilization in hard and soft waters, and the thermal resistance of the yearling trout was measured for both groups in soft and saline waters at 27, 28 and 29 deg.C.

Christie, W.J. (1963) 10-23218 F
J.Fish.Res.Bd Can., 20(3):597-646
Effects of artificial propagation and the weather on recruitment in the Lake Ontario whitefish fishery

Coregonus clupeaformis. Hatchery conditions failed to show a detectable change in spawning stock or progeny-per-parent ratios. Alternate year periodicity is attributed to climatic variations - cold Novembers followed by warm Aprils are correlated with strong year classes. It is thought that the present instability of catch reflects overfishing.

Berst, A.H. & A.M. McCombie (1963) 10-23219 F
J.Fish.Res.Bd Can., 20(3):735-42
The spatial distribution of fish in gill nets

Some five spp. fished in South Bay, Lake Huron, are considered: Perca flavescens, Catostomus commersoni, Osmerus mordax, Coregonus spp. and Alosa pseudoharengus. In vertical distribution, fish were always concentrated towards the bottom of the net. Random, dispersed and bunched horizontal distributions were found. These results are discussed.
SJH:cmhh

Lindsey, C.C. (1963) 10-23220 F
J.Fish.Res.Bd Can., 20(3):749-67
Sympatric occurrence of two species of humpback whitefish in Squanga Lake, Yukon Territory

Describes 2 morphologically and ecologically different populations of Coregonus sampled with nets at different depths, seine hauls and during spawning. Work done in 1958 & 1960. The significance for feeding of the gill raker differences is discussed. Biometrical data are presented, and tentative taxonomic designations given for the 2 spp.

Hartman, G.F. (1963) 10-23221 F
J.Fish.Res.Bd Can., 20(3):769-87
Observations on behaviour of juvenile brown trout in a stream aquarium during winter and spring

Describes work done at Hölle, Sweden, on seasonal differences and modifications in behaviour with reference to obstacles, support and overhead cover at 3 current velocities. The effects on social behaviour of the young Salmo trutta were also investigated.

Watson, N.H.F. (1963) 10-23222 F
J.Fish.Res.Bd Can., 20(3):841-4
A note on the upper lethal temperature of eggs of two species of *Triaenophorus*

Work suggesting that further experiments are required if the distribution of this pike trematode is to be interpreted on ecophysiological grounds.

ANON. (1961) 10-23223 F
Ryb.Khoz., 5:22-6
Vsemerno razvivat' prudovoe rybovodstvo
(Develop pond fish breeding to the utmost)

Isaev, A.I. (1961) 10-23224 F
Ryb.Khoz., 4:3-7
Vosproizvodstvo rybnykh zapasov - vazhnaia narodnokhoziaistvennaia zadacha
(Replenishment of fish populations - an important task for the national economy)

Kanaev, A. (1961) 10-23225 F
Ryb.Khoz., 5:37-9
Lechenie proizvoditelei karpa levomitsetinom
(Levomycetin treatment of breeding carp)

Kostomarov, B.S. (1961) 10-23226 F
Ryb.Khoz., 5:38
Znachenie indeksa obkhvata v selektsii karpa. (Stat'ia iz Chekhoslovakii)
(Importance of the girth index in carp selection. (Article from Czechoslovakia))

ANON. (1961) 10-23227 F
Ryb.Khoz., 5:44-53
Podmoskovnyi rybkhoz
(The Moscow-area fish farm)

Picture story.

ANON. (1961) 10-23228 F
Ryb.Khoz., 4:32-5
Razvedenie Baikal'skogo omul'ia
(Rearing the Baikal cisco)

Picture story.

ANON. (1961) 10-23229 F
Ryb.Khoz., 4:42-7
Rybovody Zapoliar'ia
(Pisciculturists of the Zapoliar'ie)

Picture story.

Sadlaev, K.A., L.V. Min'kovich & L.V. Mezina (1961) 10-23230 F
Ryb.Khoz., 5:27-31
Ratsional'nost' chastichnogo perevoda karpovykh khoziaistv na trekhletnii oborot (v poriadke obsuzhdenie)
(The expediency of partially converting the carp fishing industry to 3-year rotation. Contribution to discussion)

Shpet, G.I. (1961) 10-23231 F
Ryb.Khoz., 5:31-3
Razmery pruda i ego produktivnost'
(Productivity of a pond in relation to its size)

Telitchenko, M.M. (1961) 10-23232 F
Ryb.Khoz., 5:40-3
Nakaplivanie radioaktivnykh izotopov strontsiia/89-90/ - ittriia/90/ zerkal'nymi karpami
(Sr 89-90 and Y 90 accumulation by mirror carp)

Gribanova, L.V. (Ed.)(1961)C 10-23233 F
Moskva, Vaskhnil i Vniiprkh, 74 p.
Ispol'zovanie prudov dlia intensivnogo rybovodstva
(The use of ponds for intensive fish farming)

Contains 10-23234 to 10-23239.

Gribanova, L.V. & L.M. Gordon (1961)C 10-23234 F
In 10-23233
Povyshenie intensivnosti - glavnoe v razvitii prudovogo rybovodstva SSSR
(A higher growth rate - the main need in the development of pond pisciculture in the USSR)

Batenko, A.I. & V.I. Bakhtina (1961)C 10-23235 F
In 10-23233
Vliianie srokov vneseniia udobrenii na soderzhanie biogenov, kormovuiu bazu i ryboproduktivnost' prudov
(Influence of fertilizing times on the content of biogenes, feed supply and fish yield in ponds)

Mamontova, L.N., I.V. Komarova & N.M. Kalish (1961)C 10-23236 F
In 10-23233
O napravlennom razvitii estestvennoi kormovoi bazy v prudakh
(Controlled development of the natural feed supply in ponds)

Erokhina, L.V. (1961)C 10-23237 F
In 10-23233
Povyshenie effektivnosti kormleniia karpa putem sovershenstvovaniia metodov prigotovleniia kormov
(Improving the methods of preparing feed as a way to more efficient carp feeding)

Gordon, L.M. (1961)C 10-23238 F
In 10-23233
O proizvodstve ryboposadochnogo materiala
(Production of fish planting material)

Sukhoverkhov, F.M. (1961)C 10-23239 F
In 10-23233
Vyrashchivanie ural'skogo ripusa v prudakh Moskovskoi oblasti
(Breeding the Ural vendace in ponds of the Moscow basin)

Grandilevskaia-Deksbakh, M.L. (1961) 10-23240 F
Trudy ural'.Otd.gos.nauchno.-issled.Inst.ozer.rech.ryb.Khoz., 5:135-75
Osnovnye cherty donnoi fauny i pitaniia ryb Kamskogo vodokhranilishcha (1955-59 gg)
(Principal features of the bottom inhabitants and fish nutrition in the Kama reservoir between 1955 and 1959)

Shpet, G.I. (1961) 10-23241 F
Zool.Zh., 40:939-41
O poedanii molliuskov karpami
(Mollusk consumption by carp). En

Shaposhnikov, L.K. (1961)C 10-23242 F
Moskva, Vses.O-vo po Raspr.Polit.i Nauchn. Znanii, 48 p.
Okhrana prirody v SSSR, v chastnosti, okhrana i vosproizvodstvo rybnykh zapasov
(Nature conservation in the USSR, especially the conservation and renewal of fish populations)

Movchan, V.A. (1961) 10-23243 F
Agrobiologiia, 2:217-21
Ob izmenchivosti nekotorykh priznakov karpa pri ego selektsii
(Variability of certain characters in carp during selection)

Kotsur, M. & T. Martinets (1961) 10-23244 F
Mikrobiologiia, 30:301-3
Mikroflora rybvodnykh prudov v Lednitse. Poiavlenie vidov roda *Bacillus* v vode Lednitskikh prudov
(Microflora of fish ponds in Lednica. Emergence of species of the genus *Bacillus* in the water of Lednica ponds). En

Kiselev, I.V. (1961) 10-23245 F
Agrobiologiia, 2:206-16
K voprosu o skreshchivanii v semeistve karpovykh
(The problem of cross-breeding in the carp family)

Chaturvedi, R.N. (1962) 10-23246 F
J.Bombay nat.Hist.Soc., 59:970-3
Fish mortality at Shahdra fish farm, Delhi

BSEA 9(6)4103.

Hunn, J.B. & P.O. Fromm (1964) 10-23247 F
Biol.Bull.,Woods Hole, 126(2):282-91
Uptake, turnover and excretion of I-131 by rainbow trout (*Salmo gairdneri*)

Kobayasi, H. (1963) 10-23248 F
Biol.Bull.,Woods Hole, 125(1):114-24
Some cytological aspects of fertilization in the cross between the funa (*Carassius carassius*, Cyprinidae) and the loach (*Misgurnus anguillicaudatus*, Cobitidae)

Insemination and early cleavages were cytologically investigated in the cross between the two spp. from rivers in Japan (Asahigawa). Evidence presented indicates that insemination and early cleavage followed normal cytological patterns.

Clark, E. (1965) 10-23249 F
Nat.Hist.,N.Y., 74(6):23-4
Mating of groupers - New studies detect
reversal of stripes in hermaphroditic fish

Describes the extraordinary spawning habits of the hermaphroditic Serranus subligarius from the west coast of Florida; during the mating season, spring through summer, each adult individual can function as a male, a female, or both sexes simultaneusly.

Myrberg, A.A. Jr., E. Kramer & 10-23250 F
P. Heinecke (1965)
Science, 149(3683):555-8
Sound production by cichlid fishes

Rozin, P. (1965) 10-23251 F
Science, 149(3683):561-3
Temperature independence of an arbitrary
temporal discrimination in the goldfish

Aquarial experiments on Carassius auratus.

Kossakowski, J. (1962) 10-23252 F
Ekol.polsk.(B), 8(4):285-9
Nowa metoda stosowana w badaniach nad
biologią raków
(New method used in research on the biology
of crayfish). Pl En

Vieth, H. (1962) 10-23253 F
Gospod.rybna, 14(5):10-3
Zwiększanie wydajności stawów
(Uprisal of pond production). Pl

On the basis of fishery experimentation in ponds of the Zaglowek estate, it was found that higher stocking density of carp caused higher fish production and eliminated fish gill gangrene.

Duszynski, J. & J. Gordziejczyk 10-23254 F
(1962)A
Gospod.rybna, 14(5):14-7
Wyniki gospodarcze z zarybienia rzek
pomorskich trocią
(Economical results of introducing salmon-
trout to Pomeranian rivers). Pl

Kozun, J. (1962)A 10-23255 F
Gospod.rybna, 14(4):3-5
Karp w jeziorach
(Carp in lakes). Pl

Włodek, S. (1962)A 10-23256 F
Gospod.rybna, 14(2):8-11
O podnoszeniu zyzności stawów przy
pomocy nawozenia organicznego
(On uprising fertility of ponds by organic
fertilization). Pl

Włodek, S. & S. Danielewski 10-23257 F
(1962)A
Gospod.rybna, 14(2):4-8
Ocena efektów nawozenia stawów wodą
amoniakalną i siarczanem amonu w 1961 r.
(Estimation of effects of fertilization of
ponds with ammonia water and ammonium
sulfate in 1961). Pl

Wolny, P. (1962) 10-23258 F
Gospod.rybna, 14(2):1-3
Ocena warunków produkcji karpi w 1961 r.
(Estimation of carp production in 1961).
Pl

Wolny, P. (1962) 10-23259 F
Gospod.rybna, 14(4):6-9
Hodowla ryb w stawach nawadnianych
oczyszczonymi ściekami miejskimi
(Fishery in ponds irrigated with purified
town sewage). Pl

Backiel, T. & R. Bartel (1962) 10-23260 F
Gospod.rybna, 14(6):5-7
Pstrągi tęczowe z Ameryki
(Rainbow trout imported from America). Pl

Filuk, J. (1962) 10-23261 F
Prace morsk.Inst.ryback.Gdyni (oceanogr.-
ichtiol.), 11A:225-74
Studia nad biologia i połowami sandacza
zalewu Wiślanego
(Studies on the biology and catches of the
Vistula Firth perch-pike). Pl En Ru

Studying feeding behaviour and growth rate of perch-pike, the dependence was found between numbers of perch-pike and numbers of Osmerus eperlanus.

Jaskowski, J. (1962) 10-23262 F
Fragm.faun.Inst.Zool.polsk.Akad.Nauk, 9(28):449-99
Materiały do znajomości ichtiofauny Warty i jej dopływów
(Materials to study fish fauna of the Warta River and its affluents). Pl Ru De

Two species, bream (Abramis brama L.) and roach (Rutilus rutilus L.), predominated.

Rolik, H. (1962) 10-23263 F
Fragm.faun.Inst.Zool.polsk.Akad.Nauk, 9(23):355-72
Biometria oraz niektóre zagadnienia biologii i systematyki Leuciscus cephalus L. z rzeki San
(Biometry and some problems of biology and taxonomy of Leuciscus cephalus L. from the River San). Pl En Ru

Gurzęda, A. & P. Wolny (1962) 10-23264 F
Roczn.Nauk rol.(B), 81(2):151-69
Pokarm i wzrost narybku karpia na tle dynamiki bazy pokarmowej
(Food and growth of carp fry and the dynamics of food animals). Pl En Ru

Four fish ponds have been studied, three of which were supplied with artificial food. A discussion is given over the biomass and numerical dynamics of the bottom fauna and of the fauna occurring on vegetation, of zooplankton, and over feeding and growth rate of fish. Carp fry food consisted mainly of Chironomidae followed by Crustacea & Ephemeroptera. Other invertebrates were consumed incidentally, especially in the case of food shortage.

Wolny, P. (1962)A 10-23265 F
Roczn.Nauk rol.(B), 81(2):231-49
Przydatność oczyszczonych ścieków miejskich do hodowli ryb
(The use of purified town sewage for fish rearing). Pl En Ru

Wolny, P. (1962)A 10-23266 F
Roczn.Nauk rol.(B), 81(2):171-88
Wpływ gęstości obsad na wzrost i stopień przezycia narybku karpia
(The influence of increasing the density of stocked fish population on the growth and survival of carp fry). Pl En Ru

Grygierek, E. (1962)A 10-23267 F
Roczn.Nauk rol.(B), 81(2):189-210
Wpływ zagęszczenia narybku karpi na faunę skorupiaków planktonowych
(The influence of increasing carp fry population on crustacean plankton). Pl En Ru

Bernatowicz, S. (1962)A 10-23268 F
Roczn.Nauk rol.(B), 81(2):307-33
Obserwacje nad fenologią rozrodu ryb
(Observations on the phenology of fish spawning). Pl En Ru

Iwaszkiewicz, M. (1962) 10-23269 F
Zool.Polon., 12(3):247-53
Sexual maturation and fertility of the females of the grayling Thymallus thymallus L. from the west Pomeranian rivers. Ru Pl

Steffens, W. (1963) 10-23270 F
Dtsch.Fisch.-Ztg, 10(9):253-61
Eigrössen und Eizahlen der Regenbogenforelle (Salmo gairdneri)
(Egg sizes and numbers in the rainbow trout (Salmo gairdneri))

1962-1963 material from Werdermühle, Eastern Germany.

Merla, G. (1963) 10-23271 F
Dtsch.Fisch.-Ztg, 10(9):262-6
Erfahrungen mit der täglichen Fütterung bei Karpfen
(Experiments with the daily feeding of carp)

Géry, J.R. (1965) 10-23272 F
Trop.Fish Hobbyist, Feb.:13-24
A new genus from Brazil - BRITTANICHTHYS - a new, sexually-dimorphic characid genus with peculiar caudal ornament, from the Rio Negro, Brazil, with a discussion of certain cheirodontin genera and a description of two new species, B. axelrodi and B. myersi

Swift, D.R. (1965) 10-23273 F
Nature, Lond., 206(4983):528
Effect of temperature on mortality and rate of development of the eggs of the pike (Esox lucius L.) and the perch (Perca fluviatilis L.)

Schäperclaus, W. (1963) 10-23274 F
Dtsch.Fisch.-Ztg, 10(8):227-40
Neue Möglichkeiten zur Ertragssteigerung der Binnenfischerei durch pflanzenfressende Fische aus China
(New possibilities to increase the productivity of the inland fishery by use of herbivorous fishes from China)

Flügel, H. (1963) 10-23275 F
Kieler Meeresforsch., 19(2):189-95
Elektrolytregulation und Temperatur bei Crangon crangon L. und Carcinus maenas L.
(Electrolyte regulation and temperature of Crangon crangon L. and Carcinus maenas L.). En

Galasun, P. (1961) 10-23276 F
Rybovod.i Rybolov., (3):7-8
Nazrevshie voprosy (povyshenie ryboproduktivnosti v prudakh Chernovitskoi obl.)
(Urgent problems: improving fish yield in the ponds of the Chernovtsy (Cernausti) province)

Galina, N. (1961) 10-23277 F
Rybovod.i Rybolov., (2):14-5
Provedenie neresta
(Spawning procedure)

Markov, E. (1961) 10-23278 F
Rybovod.i Rybolov., (2):30-1
Ersh
(The perch)

Mamontova, L. (1961) 10-23279 F
Rybovod.i Rybolov., (2):16-7
Udobrenie ammiachnoi selitroi i superfosfatom v tseliakh povysheniia estestvennoi ryboproduktivnosti prudov
(Use of ammonium nitrate and superphosphate fertilizers to improve the natural fish productivity of ponds)

Klimenkova, Z. & K. Petrov 10-23280 F
(1961)
Rybovod.i Rybolov., (2):7
Ni odnogo pruda bez dannogo vodospuska
(Not a single pond without a bottom outlet box)

Kudriashova, Iu. (1961) 10-23281 F
Rybovod.i Rybolov., (3):24-5
Vliianie kormov na rost i razvitie karpa
(Influence of feeds on carp growth and development)

Min'kovich-Pecherskii, L. (1961) 10-23282 F
Rybovod.i Rybolov., (3):19
Puti udeshevleniia stroitel'stva prudovykh khoziaistv
(Ways of reducing pond construction costs)

Naumova, A. (1961) 10-23283 F
Rybovod.i Rybolov., (2):18-9
Sangvinikolez karpov
(Haematobic parasitism in carp)

Solewski, W. (1963) 10-23284 F
Acta hydrobiol., Kraków, 5(4):353-66
Brown trout (Salmo trutta m. fario L.) in the Rogoźnik stream. Pl

Data on habitat, growth, meristic features, and food of brown trout.

Starmach, J. (1963) 10-23285 F
Acta hydrobiol., Kraków, 5(4):367-81
Występowanie i charakterystyka strzebli (Phoxinus phoxinus L.) w dorzeczu potoku Mszanka
(The appearance and characteristics of the minnow (Phoxinus phoxinus L.) in the basin of the Mszanka stream). Pl En

Data on distribution, growth rate, and meristic characteristics.

Włodek, J.M. (1963) 10-23286 F
Acta hydrobiol., Kraków, 5(4):383-401
Der blaue Karpfen aus der Teichwirtschaft Landek
(The blue carp from the Landek pond breeding station). Pl

Information on inheritance of blue color characteristics.

Rudziński, E. & S. Skóra (1963)A 10-23287 F
Acta hydrobiol., Kraków, 5(4):343-52
Die Beerbung einiger Elternmerkmale
durch den Mischling Karpfkarausche
(Inheritance of some parental marks in the
hybrid crucian carp). Pl

Pasternak, K. (1963)A 10-23288 F
Acta hydrobiol., Kraków, 5(4):403-33
Wstępne doświadczenia nad możliwością
zastosowania polskiej mączki fosforytowej
(annofosu) w nawozeniu stawów
(Preliminary investigations of the suitability
of Polish phosphorite meal (Annofos) in
pond fertilization). Pl De

Petrov, V. (1961) 10-23289 F
Rybovod.i Rybolov., (3):16-8
Vybor uchastkov dlia stroitel'stva
prudov
(Selection of areas for pond construction)

Protasov, A. (1961) 10-23290 F
Rybovod.i Rybolov., (3):28-9
Som
(The catfish)

Priadchenko, Iu. (1961) 10-23291 F
Rybovod.i Rybolov., (3):22-3
Razvedenie foreli na lesokombinatakh
(Trout rearing in complex-enterprise
forestry concerns)

Solov'ev, T. (1961) 10-23292 F
Rybovod.i Rybolov., (3):12-3
Pribor dlia scheta mal'kov
(A fry counter)

Sukhoverkhov, F. & G. Timofeenko 10-23293 F
(1961)
Rybovod.i Rybolov., (2):26-8
Vyrashchivanie v prudakh rybtsa i
shemai
(Rearing vimba and Chalcalburnus in ponds)

Timofeev, S. (1961) 10-23294 F
Rybovod.i Rybolov., (3):10-1
Oblov nerestovykh prudov
(Removal of fish from hatching ponds)

Tret'iakov, F. (1961) 10-23295 F
Rybovod.i Rybolov., (2):19
Zmeegolov v Khimkinskom vodokhranilishche
(Zametka)
(The dragon's-head in the Khimki
reservoir. Notice)

Udovichenko, A. (1961) 10-23296 F
Rybovod.i Rybolov., (3):5-6
Prudovoe rybovodstvo Bashkirii
(Pond-fish culture in Bashkiria)

Ushakov, N. (1961) 10-23297 F
Rybovod.i Rybolov., (2):11-3
Zaryblenie nagul'nykh prudov
(Stocking finishing ponds)

Churbakov, E. (1961) 10-23298 F
Rybovod.i Rybolov., (3):15
Kormovye prudy i zony
(Feed ponds and feed areas)

Eggert, V. (1961) 10-23299 F
Rybovod.i Rybolov., (2):24
Chir v prudakh akklimatizatsiia chira
v vodoemakh severo-zapada SSSR
(The broad whitefish in ponds; its
acclimatization in bodies of water in
the north-west of the USSR)

Iakovenko, I. & V. Ivasik (1961) 10-23300 F
Rybovod.i Rybolov., (3):18
Amurskii sazan v zapadnoi Ukraine.
Zametka
(The Amur common carp in the West
Ukraine. Notice)

ANON. (1961) 10-23301 F
Rybovod.i Rybolov., (2):2-4
Nepodniataia tselina; pravil'naia
postanovka kol'khoznogo i sovkhoznogo
prudogo rybovodstva
(Virgin land; the right approach to
collective and state farm pond-fish
culture)

Fromm, P.O. (1963) 10-23302 F
Comp.Biochem.Physiol., 10(2):121-9
Studies on renal and extra-renal
excretion in a fresh-water teleost,
Salmo gairdneri

Nakano, E. & A.H. Whiteley (1965) 10-23303 F
J.exp.Zool., 159(2):167-79
Differentiation of multiple molecular forms of four dehydrogenases in the teleost, Oryzias latipes, studied by disc electrophoresis

Stokes, R.M. & P.O. Fromm (1964) 10-23304 F
Comp.Biochem.Physiol., 13(1):53-71
Glucose absorption and metabolism by the gut of rainbow trout

Deufel, J. (1963) 10-23305 F
Fischwirt, 13(5):143-5
Zur Bekämpfung der Furunkulose in der Forellenzucht
(Control of furunculosis in trout breeding)

Randall, D.J. & G. Shelton (1963) 10-23306 F
Comp.Biochem.Physiol., 9(3):229-39
The effects of changes in environmental gas concentrations on the breathing and heart rate of a teleost fish

Experiments were carried out on Tinca tinca.

Voronin, L.L. et al. (1964) 10-23307 F
Biofizika, 9:451-5
(The role of bivalent cations in the maintenance of resting potentials in the muscle fibers of river crayfish). Ru

Dunson, W.A. & R.D. Weymouth (1965) 10-23308 F
Science, 149(3679):67-9
Active uptake of sodium by softshell turtles (Trionyx spinifer)

Yamamoto, T. (1965) 10-23309 F
Z.Zellforsch, 65:319-30
Some observations on fine structure of intrahepatic biliary passages in goldfish (Carassius auratus)

IABS 38(2)4662.

Orska, J. (1963) 10-23310 F
Zool.pol., 13:49-76
Influence of temperature on development of meristic characters of skeleton in Salmonidae. 2. Variations in dorsal and anal fin ray count correlated with temperature during development of Salmo irideus Gibb.

IABS 37(1)1792.

Konishi, J. & H. Niwa (1964) 10-23311 F
Jap.J.Physiol., 14:328-43
Properties of taste receptors in fresh water fish: responses to weak solutions

IABS 37(3)7180.

Skidmore, J.F. (1965) 10-23312 F
Ann.appl.Biol., 56(1):47-53
Resistance to zinc sulphate of the zebrafish (Brachydanio rerio Hamilton-Buchanan) at different phases of its life history

Aquarial tests on a cyprinid fish.

Sundararaj, B.I. & S.V. Goswami (1965) 10-23313 F
Gen.comp.Endocr., 5:464-74
'Seminal vesicle' response of intact, castrate, and hypophysectomized catfish, Heteropneustes fossilis (Bloch), to testosterone propionate, prolactin, and growth hormone

Darnell, R.M. & R.R. Meierotto (1965) 10-23314 F
Trans.Amer.Fish.Soc., 94(1):1-8
Diurnal periodicity in the black bullhead, Ictalurus melas (Rafinesque)

Rupp, R.S. & S.E. DeRoche (1965) 10-23315
Trans.Amer.Fish.Soc., 94(1):9-25
Standing crops of fishes in three small lakes compared with C^{14} estimates of net primary productivity

Walden, H.T. (1964)BC 10-23316 F
London, Harper, 324 p.
Familiar freshwater fishes of America

Hybbs, C. (1965) 10-23317 F
Trans.Amer.Fish.Soc., 94(1):102
Familiar freshwater fishes of America

Re 10-23316.

Hoffman, G.L. & R.E. Putz (1965) 10-23318 F
Trans.Amer.Fish.Soc., 94(2):143-51
The black-spot (Uvulifer ambloplitis: Trematoda: Strigeoidea) of centrarchid fishes

Dryer, W.R., L.F. Erkkila & C.L. Tetzloff (1965) 10-23319 F
Trans.Amer.Fish.Soc., 94(2):169-76
Food of lake trout in Lake Superior

Jubb, R.A. (1965) 10-23320 F
Ann.Mag.nat.Hist.(13), 7(81):539-42
A new species of Barbus (Pisces, Cyprinidae) from the upper Zambesi River

Scott, D. (1964) 10-23321 F
Proc.N.Z.ecol.Soc., (11):23
Parasitic isopods on trout

Note on Nerocila orbigni, parasitic on Salmo trutta taken in Lake Waituna.

Lane, E.D. (1964) 10-23322 F
Proc.N.Z.ecol.Soc., (11):10-6
Brown trout (Salmo trutta) in the Hinds River

Variation in population density in the river; feeding habits; growth measurements; estimation of mortality; correlation between brown trout density and density of native fish and bottom fauna; correlation between trout size and density; recommended regulation of fishery.

Dudel, J. (1965) 10-23323 F
Pflügers Archiv.ges Physiol., 282(4):323-37
Potential changes in the crayfish motor nerve terminal during repetitive stimulation. De

Using extracellular microelectrodes potential changes were recorded from the terminal region of motor nerve fibres in the neuromuscular junction of the abductor of the dactyl of the crayfishes Orconectis virilis and Astacus fluviatilis.

Hopkins, C.L. (1965) 10-23324 F
N.Z.J.Sci., 8(2):149-57
Feeding relationships in a mixed population of freshwater fish

Discussion of the feeding of Philypnodon breviceps, Salmo trutta fry, Anguilla australis and A. diffenbachii with special reference to the degree and nature of their predation on a common food stock.

Ando, K. (1964) 10-23325 F
Canad.J.Biochem., 43(3):373-9
Ultracentrifugal analysis of yolk proteins in rainbow trout egg and their changes during development

Some physiochemical properties of yolk protein in unfertilised and fertilised eggs of Salmo irideus were examined. Ultracentrifugal analyses of egg extracts were made to study the sedimentation patterns of various components of native and alkali-denaturated proteins.

Shiraishi, Y. & Y. Furuta (1965) 10-23326 F
Bull.Freshw.Fish.Res.Lab.,Tokyo, 14(2):107-22
(On the distributional patterns and diurnal changes of fishes in Sawai Inlet of Lake Sagami, a reservoir). Ni En

Spp. composition and abundance; discussion of relation between distributional pattern and hydrology of the lake; diurnal activity of fish caught by surface gill-net.

Chun, S.-K. (1964)A 10-23327 F
Bull.Fish.Coll.Pusan Univ., 6(1):1-14
(Studies on the experiment of mode of infection of Clonorchis sinensis. 1. Studies on the metacercaria of some trematodes parasitic in fresh water fishes and experimental infection of the cercaria of Clonorchis sinensis to fresh water fishes). Korean En

Handin, R.I., J. Nandi & H.A. Bern (1964) 10-23328 F
J.exp.Zool., 157(3):339-43
Effect of hypophysectomy on survival and on thyroid and interrenal histology of cichlid teleost Tilapia mossambica

Martin, F.D. (1964) 10-23329 F
Tex.J.Sci., 16(4):453
The occurrence of Mollienesia formosa
in the lower Nueces River of Texas

Woods, C.S. (1964)BC 10-23330 F
Wellington, N.Z., A.H. & A.W. Reed, 64 p.
Native and introduced freshwater fishes

Handbook providing introduction to all recorded New Zealand species.

ANON. (1964) 10-23331 F
Proc.N.Z.ecol.Soc., (11):67

Re 10-23330.

Oguri, M. & N. Takada (1965) 10-23332 F
Bull.Jap.Soc.sci.Fish., 31(4):293-6
pH, calcium level and osmotic concentration
of the urine in the snake-head fish,
Channa argus

Description of method of collecting urine; average calcium levels, mean value of the urinary osmotic concentration and average pH values of urine and blood serum.

Smit, H. (1965) 10-23333 F
Canad.J.Zool., 43(4):623-33
Some experiments on the oxygen consumption
of goldfish (Carassius auratus L.) in
relation to swimming speed

Experiments were performed with the aid of an annular fish chamber, which can be rotated at will, and by means of Blazka's apparatus, in which the fish swims against a water current produced by a rotating propeller.

Schmidt, G.D. (1965) 10-23334 F
Canad.J.Zool., 43(4):651
A collection of Acanthocephala from
fishes of George Lake, central Alaska

Kawai, A., Y. Yoshida & 10-23335 F
M. Kimata (1965)
Bull.Jap.Soc.sci.Fish., 31(1):65-71
(Biochemical studies on the bacteria in
the aquarium with a circulating system.
2. Nitrifying activity of the filter-sand).
Ni En

Deals with the nitrifying activity of filter-sand used in an aquarium where fish have been cultivated for a long period, and the breeding water has reached an equilibrium.
Co 10-12066.

Harrington, R.W. Jr. (1963) 10-23336 F
Physiol.Zoöl., 36(4):325-41
Twenty-four-hour rhythms of internal
self-fertilization and of oviposition by
hermaphrodites of Rivulus marmoratus

Data for 6 fish kept at 25 degrees C in separate aquarium.

Kleerekoper, H. & J. Mogensen 10-23337 F
(1963)
Physiol.Zoöl., 36(4):347-60
Role of olfaction in the orientation of
Petromyzon marinus. 1. Response to a
single amine in prey's body odor

Describes and discusses choice-experiments using separated odour-chemicals from trout.

Watson, L.J., I.L. Shechmeister 10-23338 F
& L.L. Jackson (1963)
Physiol.Zoöl., 36(4):370-82
The effect of X-irradiation on goldfish.
2. The effect of total-body X-irradiation
on the hematology of Carassius auratus

Bulkley, R.V. (1963) 10-23339 F
Spec.sci.Rep.U.S.Fish Wildl.Serv.-Fish.,
(460):11 p.
Natural variation in spotting, hyoid teeth
counts, and coloration of Yellowstone
cutthroat trout, Salmo clarki lewisi
Girard

Results of a study to determine the amount of variation within four related populations of this spp.

Cadwalladr, D.A. (1965) 10-23340 F
E.Afr.agric.For.J., 30(3):249-56
The decline in the *Labeo victorianus* Blgr. (Pisces: Cyprinidae) fishery of Lake Victoria and an associated deterioration in some indigenous fishing methods in the Nzoia River, Kenya

Smith, P.W. (1965) 10-23341 F
Biol.Notes,Urbana, (54):12 p.
A preliminary annotated list of the lampreys and fishes of Illinois

Lists 177 spp., representing 69 genera and 27 families. Gives notes on the distribution.

Beamish, F.W.H. & P.S. Mookherjii (1964) 10-23342 F
Canad.J.Zool., 42(2):161-75
Respiration of fishes with special emphasis on standard oxygen consumption. 1. Influence of weight and temperature on respiration of goldfish, *Carassius auratus* L.

Beamish, F.W.H. (1964) 10-23343 F
Canad.J.Zool., 42(2):189-94
Seasonal changes in the standard rate of oxygen consumption of fishes

For brook trout (*Salvelinus fontinalis*) and brown trout (*Salmo trutta*) the standard oxygen consumption increases to a maximum during the spawning season in late fall.

Hickman, C.P. Jr. *et al.* (1964) 10-23344 F
Canad.J.Zool., 42(4):577-97
Effect of cold acclimation on electrolyte distribution in rainbow trout (*Salmo gairdnerii*)

Following introduction to 6 degrees C of trout previously acclimated to 16 degrees C, measurements were made, at intervals, of plasma Na, K, Cl, Ca, Mg, and phosphate and of brain and muscle Na, K, and Cl.

Schmidt, G.D. (1964) 10-23345 F
Canad.J.Zool., 42(4):718
A note on the Acanthocephala parasitizing amphipod Crustacea in a spring-fed pond in Montana

Tarr, H.L.A. (1964) 10-23346 F
Canad.J.Biochem.Physiol., 42(5):575-81
Formation of ribomononucleotides from purine and pyrimidine bases and 5'- phosphoribosyl-pyrophosphate by a salmon milt extract

The enzymatic formation of nucleoride-phosphates by extracts from milt of immature *Salmo gairdnerii* was investigated. By means of the radioactive tracer technique it was shown that such extracts phosphorylated purine and pyrimidine bases and orotic acid in the presence of α-phosphoribosyl-pyrophosphate to yield ribomononucleotides.

New, J.G. (1963) 10-23347 F
Proc.int.Congr.Zool., 16(2):17
Spawning behaviour of the shield darter, *Percina peltata* (Pisces-Percidae)

Describes spawning in eastern United States' rivers.
Pr 62-078me.
Abstract only.

Wiersma, C.A.G. & P.J. Mill (1963) 10-23348 F
Proc.int.Congr.Zool., 16(2):72
Functional connections of single neuronal units in the central nervous system of the crayfish

Pr 62-078me.
Abstract only.

Fingerman, M. *et al.* (1963) 10-23349 F
Proc.int.Congr.Zool., 16(2):73
Neurosecretory control of ribonucleic acid in crayfish hepatopancreas

Ribonuclease tests on sections from eyestalk-less and normal *Orconectes* and *Procambarus*.
Pr 62-078me.
Abstract only.

Kirschner, L.B. & S. Wagner (1963) 10-23350 F
Proc.int.Congr.Zool., 16(2):90
The formation of presumptive urine by the crayfish antennal gland

Pr 62-078me.
Abstract only.

Öztan, N. (1963) 10-23351 F
Proc.int.Congr.Zool., 16(2):150
Relationship between the hypothalamic neurosecretory system and certain adenohypophyseal basophiles of platyfish

Cytological and morphological studies on *Xiphophorus*.
Pr 62-078me.
Abstract only.

Koh, T.-P. (1963) 10-23352 F
Proc.int.Congr.Zool., 16(2):169
Further study on the evolution of the goldfish, *Carassius auratus*

Notes on historical records.
Pr 62-078me.
Abstract only.

Kallman, K.D. (1963) 10-23353 F
Proc.int.Congr.Zool., 16(2):170
Population structure of the all-female gynogenetic teleost, *Mollienesia formosa* (Girard)

Studies on a stream population near Brownsville, Texas.
Pr 62-078me.
Abstract only.

Cory, L., Brother (1963) 10-23354 F
Proc.int.Congr.Zool., 16(2):172
Effects of introduced trout on the evolution of native frogs in the high Sierra Nevada mountains

Discusses frog predation by *Salmo gairdnerii*, *A. aguabonita*, *Salvelinus fontinalis*.
Pr 62-078me.
Abstract only.

Yamamoto, T. (1963)A 10-23355 F
Proc.int.Congr.Zool., 16(2):205
The first stage in retrogressive evolution of the Y chromosome, as illustrated in the fish *Oryzias latipes*

Pr 62-078me.
Abstract only.

Atz, J.W., K.D. Kallman & R.F. Nigrelli (1963)A 10-23356 F
Proc.int.Congr.Zool., 16(2):206
Position effect as a factor in the production of melanosis and melanoma in the fish *Xiphophorus*

Pr 62-078me.
Abstract only.

Wourms, J.P.,Jr. (1963) 10-23357 F
Proc.int.Congr.Zool., 16(2):264
Naturally occurring developmental arrest in teleost fishes with associated modifications of epiboly and embryogenesis

Discusses resistant eggs of some African and South American cyprinodont fishes living in temporary water bodies.
Pr 62-078me.
Abstract only.

Velasquez, C.C. (1963)A 10-23358 F
Proc.int.Congr.Zool., 16(1):136
Patterns of penetration and development of two Xiphidiocercariae from the Philippines

Pr 62-078me.
Abstract only.

Foster, N.R. (1963)A 10-23359 F
Proc.int.Congr.Zool., 16(1):158
Reproductive behaviour patterns and functional anatomy of some American oviparous cyprinodont fishes

Pr 62-078me.
Abstract only.

Poll, M. (1963) 10-23360 F
Proc.int.Congr.Zool., 16(1):160
Un nouveau type de structure chez un clupoide du bassin du Congo (Téléostéens Isospondyles)
(A new type of structure in a clupeoid from the Congo basin (Teleostei Isospondyli))

Gives characters of a species discovered in 1955 and whose systematic position is uncertain.
Pr 62-078me.
Abstract only.

Feuer, R.C. (1963)A 10-23361 F
Proc.int.Congr.Zool., 16(1):197
Variation in the snapping turtle *Chelydra serpentina*: a study in quantitative systematics

Pr 62-078me.
Abstract only.

Svetovidov, A.N. (1963)A 10-23362 F
Proc.int.Congr.Zool., 16(1):212
The systematics, origin and history of distribution of the Eurasiatic and North American species of Perca, Lucioperca and Stizostedion

Pr 62-078me.
Abstract only.

Miller, R.R. (1963) 10-23363 F
Proc.int.Congr.Zool., 16(1):244
Extinct, rare, and endangered American freshwater fishes

Pr 62-078me.
Abstract only.

Smoker, W.A. (1963)A 10-23364 F
Proc.int.Congr.Zool., 16(1):245
Influence of freshwater environment on survival of coho salmon

Pr 62-078me.
Abstract only.

Johnson, D.S. & M.H.H. Soong (1963) 10-23365 F
Proc.int.Congr.Zool., 16(1):246
The fate of introduced freshwater fish in Malaya

Notes 5 generally established introduced species of the genera Puntius, Lebistes, Tilapia, Trichogaster and Betta.
Pr 62-078me.
Abstract only.

Vaz-Ferreira, R., B. Sierra-de-Soriano & J. Soriano-Señorans (1963) 10-23366 F
Proc.int.Congr.Zool., 16(1):251
Ecología de vertebrados en aguas dulces temporales del Uruguay
(Ecology of vertebrates of temporary fresh-waters in Uruguay)

Notes on the fish, Amphibia, ichthyophagous reptiles and birds.
Pr 62-078me.
Abstract only.

Myers, G.S. (1963) 10-23367 F
Proc.int.Congr.Zool., 16(4):15-20
The fresh-water fish fauna of North America

Categorizes the fish, and discusses regional faunas, the taxonomic groups and their historical origins.
Pr 62-078me.
Abstract only.

Larimore, R.W. & P.W. Smith (1963) 10-23368 F
Bull.Ill.nat.Hist.Surv., 28(2):299-382
The fishes of Champaign County, Illinois, as affected by 60 years of stream changes

Based on studies circa 1899, 1928 and 1959, evaluates effects of ecological changes in an area including both intensive farming and urbanization.

McLeary, E. (1963) 10-23369 F
U.S. Trout News, 8(3):4-6
A special report: Commercial development of brood stocks

Describes method of developing trout pond stocks and desirable characters of commercial trout stocks.

Hoffman, G.L. (1963) 10-23370 F
U.S.Trout News, 8(3):8-13
Whirling disease in trouts and its prevention in hatcheries

Describes history and origin of the disease caused by Myxosoma cerebralis, occurrence, symptoms, life cycle, eggs of Salmo, Salvelinus, Thymallus and Oncorhynchus, and its control.

California. Department of Fish and Game (1963) 10-23371 F
Inl.Fish.adm.Rep.,Calif., 63-8:41 p.,mimeo
Possibilities for expanding the California trout hatchery program

Presents recommendations of findings of trout broodstock committee as basis for expanding trout production. Includes costing.

Huet, M. & J.A. Timmermans 10-23372 F
(1963)
Trav.Sta.Rech.Groenendaal(D), 36:31 p.
La population piscicole de la Semois inférieure, grosse rivière belge du type supérieur de la Zone à Barbeau
(The fish population of the lower Semois, a large Belgian river of the upper type of the Barbel Zone). En De

Results of four inventories with calculations of fish population sizes.

Keleher, J.J. (1963) 10-23373 F
Circ.biol.Sta.,London,Ont., (6):1-3
Great Slave Lake suckers

Contains photos showing distinguishing characters of longnose and white suckers.

Harris, R.H.D. (1963) 10-23374 F
Circ.biol.Sta.,London,Ont., (6):4-12
The longnose sucker in Great Slave Lake

Popular account.
Ci 9-01401.

Svetina, M. (1963) 10-23375 F
Bull.Cons.sup.Pêche, (53):11-25
Étude synoptique sur la biologie du huchon Hucho hucho (Linné), 1758
(Synopsis on the biology of the river char Hucho hucho (Linnaeus), 1758)

Extracts from a synopsis drafted according to a standard outline prepared by the Food and Agriculture Organization of the United Nations (FAO).

Chauderon, L. (1963) 10-23376 F
Bull.Cons.sup.Pêche, (53):25-6
Pisciculture en étangs des poissons de repeuplement
(Pond culture of fishes for stocking)

Notes on pond culture of various spp., especially Esox lucius, Lucioperca sandra, Micropterus spp. and Perca fluviatilis.

CCTA/CSA (1963)C 10-23377 F
Ref. 4/151-60:40 p., mimeo
Hydrobiology and inland fisheries
Hydrobiologie et pêches en eau douce

Information on physico-chemical and climatic characteristics of fish cultural stations in Africa: Cameroon, Madagascar and Upper Volta.

Morocco. Ministère de l'Agriculture. Administration des Eaux et Forêts et de la Conservation des Sols (1963) 10-23378 F
Bull.a.Piscic.Maroc, (1963):40 p.

Report of annual meeting; plans for waters of Morocco; description of fish ladder; problems with trout, pike culture; information on crappies (Pomoxis annularis and P. nigro-maculatus) and on pejerrey (Atherinichthys bonarensis), and information on construction of trout ponds.

Timmermans, J.A. (1963) 10-23379 F
Trav.Sta.Rech.Groenendaal,(D), (37):39 p.
Le repeuplement des cours d'eau en truites pêchables. Trois années d'expériences dans la Thure
(Restocking of running waters with legal sized trout. Three years experience in the River Thure). En De Ne

Results of restocking experiments during 1961, 1962 and 1963 in the River Thure, Belgium, aiming at obtaining data on percentage of restocked trout caught by angling; evolution of the catches in time and movements of restocked trout on watercourses.

de Ruiter, L. & J.J. Beukema 10-23380 F
(1963)
Anim.Behav., 11(4):605
Foraging and feeding behaviour in the three-spined stickleback

Pr 61-446me.
Abstract only.

de Beauchamp, P. (1963)A 10-23381 F
Bull.franç.Piscic., 35(208):96-7
"Mizukanvari". Rotifères contre anguilles
("Mizukanvari". Rotifers against eels)

Kinsel, G.V. (1963) 10-23382 F
Bull.franç.Piscic., 35(208):116-20
Le myocastor (Myocastor coypus)
(The nutria (Myocastor coypus))

Contains general information on the uses and culture of the species.

Henderson, N.E. (1963) 10-23383 F
J.Fish.Res.Bd Can., 20(4):859-97
Influence of light and temperature on the reproductive cycle of the eastern brook trout Salvelinus fontinalis (Mitchill)

Singh, C.P. (1963) 10-23384 F
Agra Univ.J.Res., 12:31-3
Studies on the biology of the grayling Thymallus thymallus L., together with an investigation of the minute anatomy of its alimentary canal

BSEA 9(10)6917.

Agrawal, V.P. & R.V. Singh (1963) 10-23385 F
Agra Univ.J.Res., 12:35-45
Study on the physiology of digestion in Colisa fasciata (Bloch and Schneider)

BSEA 9(10)6918.

Rangarajan, K. (1962) 10-23386 F
J.zool.Soc.India, 14:109-11
Eggs of Oryzias melastigma (McClelland) as material for experimental studies

BSEA 9(10)6921.

Probatov, S.N. (1961) 10-23387 F
Ryb.Promyshl., (8):7-9
Nerestvo-vyrastnye khoziaistva v basseine na Amure
(Hatcheries in the Amur basin)

Kniazev, A.K. et al. (1961) 10-23388 F
Ryb.Promyshl.dal.Vost., (12):29-31
Akklimatizatsiia evropeiskogo sudaka v ozere Khanka
(Acclimatization of the European pike-perch in Lake Khanka)

Meyer, F.P. (1965) 10-23389 F
Trans.Amer.Fish.Soc., 94(3):203-9
The experimental use of Guthion as a selective fish eradicator

Laboratory tests with Guthion as toxicant for Ictiobus cyprinellus, Ictalurus punctatus, Lepomis cyanellus. Fish killed by Guthion were not fit for consumption. Ictalurus exhibited a greater tolerance of Guthion.

Ryder, R.A. (1965) 10-23390 F
Trans.Amer.Fish.Soc., 94(3):214-8
A method for estimating the potential fish production of north-temperate lakes

Analyses of fish production on the morphometric and edaphic factors of 34 North American lakes.

Schofield, C.L. Jr. (1965) 10-23391 F
Trans.Amer.Fish.Soc., 94(3):227-35
Water quality in relation to survival of brook trout, Salvelinus fontinalis (Mitchill)

Alt, K.T. (1965) 10-23392 F
Trans.Amer.Fish.Soc., 94(3):272-4
Food habits of inconnu in Alaska

Stomach contents of Stenodus leucichthys were investigated.

Doudoroff, P. (1965) 10-23393 F
Trans.Amer.Fish.Soc., 94(3):284
Fish and river pollution

Re 10-20149.

Morris, R.W. (1965) 10-23394 F
Physiol.Zoöl., 38(3):219-27
Thermal acclimation of metabolism of the yellow bullhead, Ictalurus natalis (Le Sueur)

De Beaufort, L.F. (1964) 10-23395 F
Copeia, (1):60-5
Notes on the distribution of freshwater fishes

Discusses the zoogeographical distribution, adaptation and evolution of some freshwater fishes.

Kosswig, C. (1964) 10-23396 F
Copeia, (1):65-75
Problems of polymorphism in fishes

Discusses the genetical bases of polymorphism in Lebistes, Xiphophorus, Gasterosteus, Astyanax and Anoptichthys.

Raney, E.C. & R.D. Suttkus (1964) 10-23397 F
Copeia, (1):130-9
Etheostoma moorei, a new darter of the subgenus *Nothonotus* from the White River system, Arkansas

Duyvené De Wit, J.J. (1964) 10-23398 F
Copeia, (1):150-5
Hybridization experiments in acheilognathine fishes (Cyprinidae, Teleostei). Hybrids between female *Paracheilognathus rhombeus* and male *Rhodeus ocellatus*, *Tanakia tanago*, *Acheilognathus tabira*, *A. limbatus*, and *Rhodeus spinalis*

The presence of complete gametic and partially to complete genomic compatibility between females of *Paracheilognathus rhombeus*, males of *Rhodeus ocellatus* from Korea, *Tanakia tanago*, *Acheilognathus tabira*, and *Acheilognathus limbatus* from Japan, and *Rhodeus spinalis* from Taiwan could be established by means of hibridization experiments.

Duyvené De Wit, J.J. (1964) 10-23399 F
Copeia, (1):156-60
Hybridization experiments in acheilognathine fishes (Cyprinidae, Teleostei). Crossing between female *Tanakia tanago*, *Rhodeus ocellatus*, and *Acheilognathus limbatus*, and male *Acheilognathus limbatus*

Intergeneric hybrids were obtained, which consisted only of sterile phenotypic males.
Ci 10-23398.

Holčík, J. & J.J. Duyvené De Wit (1964) 10-23400 F
Copeia, (1):160-5
An aberrant hybrid between *Rhodeus ocellatus ocellatus* and *R. sericeus amarus* (Cyprinidae)

Needham, P.R. & R. Gard (1964) 10-23401 F
Copeia, (1):169-73
A new trout from central Mexico: *Salmo chrysogaster*, the Mexican golden trout

Edsall, T.A. (1964) 10-23402 F
Copeia, (1):226-7
Feeding by three species of fishes on the eggs of spawning alewives

Describes predation of *Notropis* on eggs of *Alosa pseudoharengus* in the Great Lakes.

Smith, S.H. (1964) 10-23403 F
Copeia, (1):230
The taxonomic status of *Leucichthys macropterus*, a cisco of Lake Erie

Morrow, J.E. (1964) 10-23404 F
Copeia, (1):235-6
Populations of pike, *Esox lucius*, in Alaska and northeastern North America

Bailey, R.M. & T. Uyeno (1964) 10-23405 F
Copeia, (1):238-9
Nomenclature of the blue chub and the tui chub, cyprinid fishes from western United States

Hunsaker, D. II & R.W. Crawford (1964) 10-23406 F
Copeia, (1):240-1
Preferential spawning behavior of the largemouth bass, *Micropterus salmoides*

Doha, S. (1965) 10-23407 F
Agric.Pakist., 16(1):89-95
Biology of the rockbass (*Ambloplites rupestris* Rafinesque). 1. Sampling, measurements and food study

129 specimen of *A. rupestris* (Centrarchidae) from a river in State Michigan were subject of investigations.

Doha, S. (1965) 10-23408 F
Agric.Pakist., 16(1):97-103
Biology of the rockbass (*Ambloplites rupestris* Rafinesque). 2. Length-weight-relationship and condition

Co 10-23407.

Doha, S. (1965) 10-23409 F
Agric.Pakist., 16(1):105-15
Biology of the rockbass (*Ambloplites rupestris* Rafinesque). 3. Age, growth and the spawning habit

Co 10-23408.

Pequignot, J. & A. Serfaty (1963) 10-23410 F
Hydrobiologia, 22(1/2):47-54
La respiration tissulaire des branchies des Téléostéens d'eau douce
(Tissue respiration in the gills of freshwater teleosts)

Describes experiments with *Tinca tinca* and *Barbus fluviatilis*.

Chavin, W. & B.N. Bouwman (1965) 10-23411 F
Gen.comp.Endocr., 5:493-503
Metabolism of iodine and thyroid hormone synthesis in the goldfish, *Carassius auratus* L.

Yagi, K. & H.A. Bern (1965) 10-23412 F
Gen.comp.Endocr., 5:509-26
Electrophysiologic analysis of the response of the caudal neurosecretory system of *Tilapia mossambica* to osmotic manipulations

Yamamoto, T. (1965) 10-23413 F
Gen.comp.Endocr., 5:527-33
Estriol-induced XY females of the medaka (*Oryzias latipes*) and their progenies

Macan, T.T. (1964) 10-23414 F
Int.Rev.Hydrobiol., 49(2):325-60
The Odonata of a moorland fishpond

Suzuki, R. (1963) 10-23415 F
Jap.J.Genet., 38(2):89-96
Hybridization experiments in cyprinid fishes. 2. Reciprocal crosses between *Pseudogobio esocinus* and *Gnathopogon elongatus elongatus*

Co 9-04541.
LZ 10(3)9031.

Wolny, P., K. Migala & A. Gurzeda (1963)BC 10-23416 F
Olsztyn, Inst. Rybactwa Sródlądowego, 20 p.
Zasady zywienia małych karpi
(The principles of feeding juvenile carps). Pl

LZ 10(3)9127.

Paladino, J. (1963) 10-23417 F
Gospod.rybna, 15(3):16-8
Mechanizacja i automatyzacja w zywieniu ryb
(Mechanisation and automation in fish feeding). Pl

LZ 9(5)9129.

Brunish, R. & B. Sorensen (1963) 10-23418 F
Acta endocr., Copenh., 44(4):606-12
Histological changes in experimental exophthalmos of *Carassius auratus*

LZ 9(5)9174.

Watson, L.J., I.L. Shechmeister & L.L. Jackson (1963) 10-23419 F
Cytologia, 28(2):118-30
The hematology of goldfish, *Carassius auratus*

LZ 9(9)9013.

Lenkiewicz, Z. (1964) 10-23420 F
Folia biol., Kraków, 12(1):95-140
Temperature preferendum of some freshwater fishes. Ru Pl

Aquarial investigations on *Carassius carassius*, *Abramis brama*, *Leuciscus idus* and *L. cephalus*.
LZ 10(4)9017.

Kobayashi, H. (1963) 10-23421 F
Jap.J.Genet., 38(2):113-22
Some cytological observations on fertilization in the loach (♀)- funa (♂)- cross

LZ 10(4)9030.

Yamamoto, T. (1964) 10-23422 F
Genetics, 50(1):45-58
The problem of viability of YY zygotes in the medaka, *Oryzias latipes*

LZ 10(4)9032.

Yamamoto, T. (1964) 10-23423 F
Genetics, 50(1):59-64
Linkage map sex chromosomes in the medaka, *Oryzias latipes*

LZ 10(4)9033.

Straškraba, M. (1963) 10-23424 F
Rozpr.čsl.Akad.Věd(mat.přír.), 73(13):3-62
Share of the littoral region in the productivity of two fishponds in southern Bohemia. Cs

LZ 10(1)9071.

Bank, O. (1964) 10-23425 F
Fischbauer, 15(186):752-3
Der Bisam als Karpfenfresser
(The musk as carp eater)

The damages in ponds and lakes caused by *Ondatra zibethica* are discussed.
LZ 10(1)9136.

Jansen, J. & R. Wemmenhove (1964) 10-23426 F
Tijdschr.Diergeneesk., 89(10):669-73
Sterfte onder forellen
(The mortality of trouts). *Ne*

LZ 10(1)9156.

Kawatsu, H. (1964) 10-23427 F
Bull.Freshw.Fish.Res.Lab., 14(1):1-9
(On the dietary disease of rainbow trout (*Salmo irideus* Gibbons) caused by feeding the dried silk-worm pupae. 3. Preventive effects of vitamin B complex and vitamin E on anaemia caused by the dried silk-worm pupae). *Ni* En

Results of experiment carried out to ascertain the effect of vitamin E and vitamin B-complex in combating anaemia.

Ikeda, S. & M. Sato (1964) 10-23428 F
Bull.Jap.Soc.sci.Fish., 30(4):365-9
(Biochemical studies on $_L$-ascorbic acid in aquatic animals. 3. Biosynthesis of $_L$-ascorbic acid by carp). *Ni* En

Suzuki, R. (1965) 10-23429 F
Bull.Freshw.Fish.Res.Lab., Tokyo, 14(2):92-5
Hybridization experiments in cyprinid fishes. 9. *Gnathopogon japonicus* ♀ and *Biwia zezera* ♂ and reciprocal crosses between *Pseudorasbora parva pumila* and *Biwia zezera*

Experiment undertaken to clarify the correlation between successful hybrid development and degree of taxonomic relations between the crossed spp.
CR 9-12245.

Soeda, H. *et al.* (1965) 10-23430 F
Bull.Jap.Soc.sci.Fish., 31(3):169-73
(Experimental use of fish pumps. 6. An attempt in using fish pumps as pond cleaner). *Ni* En

Experiment carried out to determine the cleaning capacity of the fish pump.

Nomura, M. (1964) 10-23431 F
Bull.Jap.Soc.sci.Fish., 30(9):723-33
(Studies on reproduction of rainbow trout *Salmo gairdneri*, with special reference to egg taking. 6. The activities of spermatozoa in different diluents, and preservation of semen). *Ni* En

Microscopic examination of spermatozoa with regard to movement and survival after addition in varied proportions of isotonic salt solution, ovarian fluid and urine.
Co 9-09542.
:aem

Kubota, Z. (1965) 10-23432 F
J.Shimonoseki Univ.Fish., 14(1):53-7
(Studies on culturing of the Japanese loach, *Misgurnus anguillicaudatus* (Cantor). 6. Difference in the productivity due to the sorts of food supplied, with reference to the effect of vitamin annexing). *Ni* En

Determination of suitable diet for maximum productivity.

Kubota, Z. et al. (1965)A 10-23433 F
J.Shimonoseki Univ.Fish., 14(1):59-73
(Studies on culturing of the Japanese loach, Misgurnus anguillicaudatus (Cantor). 7. Yield of the loach fry cultured in ponds, with estimation of the suitable stage to transferring, suitable ingredient of artificial food and the promotive effect of mud covering the bottom). Ni En

Co 10-23432.

Kubota, Z. & T. Ono (1965) 10-23434 F
J.Shimonoseki Univ.Fish., 14(1):41-52
(Morphology of the Japanese loach, Misgurnus anguillicaudatus (Cantor). 5. Geographical variation of the number of vertebrae). Ni En

Regression of vertebral number on latitude and air temperature and of occurrence of malformed vertebrae on latitude.

Yoshimuta, C. et al. (1964) 10-23435 F
Bull.Jap.Soc.sci.Fish., 30(12):951-4
(Experimental use of fish pumps. 4. Transference of living fish and autopsy of pumped fish). Ni En

Comparisons between pumping method of sorting and transferring fish in a rainbow trout hatchery, and usual methods using dip nets and chutes, with respect to mortality rate, physical effects upon fish and time requirement.
Ci 10-22008.

Ishida, R. (1964) 10-23436 F
Bull.Jap.Soc.sci.Fish., 30(6):478-85
(On the spawning of the ayu, Plecoglossus altivelis T. & S. 4. Distribution and some geographical features of the spawning ground). Ni En

Examination of spawners and eggs laid on stream beds, and topographical survey of 12 rivers.
Co 8-09492.

Seaburg, K.G. & J.B. Moyle (1964) 10-23437 F
Trans.Amer.Fish.Soc., 93(3):269-85
Feeding habits, digestive rates, and growth of some Minnesota warmwater fishes

Burdick, G.E. et al. (1964) 10-23438 F
Trans.Amer.Fish.Soc., 93(2):127-36
The accumulation of DDT in lake trout and effect on reproduction

Horak, D.L. & H.A. Tanner (1964) 10-23439 F
Trans.Amer.Fish.Soc., 93(2):137-45
The use of vertical gill nets in studying fish depth distribution, Horsetooth Reservoir, Colorado

Clugston, J.P. (1964) 10-23440 F
Trans.Amer.Fish.Soc., 93(2):146-54
Growth of the Florida largemouth bass, Micropterus salmoides floridanus (LeSueur) and the northern largemouth bass, M. s. salmoides (Lacépède), in subtropical Florida

Hochachka, P.W. (1965)C 10-23441 F
Thesis, Duke University, 138 p.
Metabolic adaptation in a lower vertebrate: the isoenzymes of lactic dehydrogenase in the goldfish, Carassius carassius

DA 26(1):555.

Heinicke, E.A. & A.H. Houston (1965) 10-23442 F
Canad.J.Zool., 43(5):847-52
A note on water balance in the goldfish, Carassius auratus L., during lethal heat shock

Lawler, G.H. (1965) 10-23443 F
J.Fish.Res.Bd Can., 22(5):1197-227
Fluctuations in the success of year-classes of whitefish populations with special reference to Lake Erie

Crossman, E.J. (1965) 10-23444 F
J.Fish.Res.Bd Can., 22(5):1261-97
Hybridization in the family Esocidae

Of 20 possible reciprocal crosses between North American spp. of genus Esox, data on 16 are presented.

Swift, D.R. (1965) 10-23445 F
J.Fish.Res.Bd Can., 22(4):913-7
Effect of temperature on mortality and rate of development of the eggs of the Windermere char (Salvelinus alpinus)

Martin, N.V. & L.J. Chapman 10-23446 F
(1965)
J.Fish.Res.Bd Can., 22(4):969-76
Distribution of certain crustaceans and fishes in the region of Algonquin Park, Ontario

Pycha, R.L. & W.R. Dryer (1965) 10-23447 F
J.Fish.Res.Bd Can., 22(4):999-1024
Movements of hatchery-reared lake trout in Lake Superior

Migratory behaviour of Salvelinus namaycush was studied.

Mandal, L.N. (1964) 10-23448 F
Indian J.Fish., 9(1):123-34
Nitrogenous fertilisers for brackish-water fish ponds - Ammonium or nitrate form?

Krantz, G.E., J.M. Reddeclift 10-23449 F
& C.E. Heist (1963)
J.Immun., 91(6):757-60
Development of antibodies against Aeromonas salmonicida in trout

LZ 9(10)9153.

Ishio, S. (1964) 10-23450 F
J.Wat.Poll.Contr.Fed., 36(3):270-1
Behavior of fish exposed to toxic substances

LZ 10(2)9152.

Otte, E. (1964) 10-23451 F
Wien.tierärztl.Mschr., 51(5):316-9
Mikrosporidien bei Donaufischen
(The Microsporidia in fish of Danube river)

LZ 10(2)9164.

Hashimoto, Y. & T. Okaichi 10-23452 F
(1965)
Fishery Res.Ser.,Tokyo, (9-1):68 p.
(Nutrition of fish and feedstuffs for fish culture. 1.). Ni

Hashimoto, Y. & T. Okaichi 10-23453 F
(1965)
Fishery Res.Ser.,Tokyo, (9-2):48 p.
(Nutrition of fish and feedstuffs for fish culture. 2.). Ni

Co 10-23452.

Wolny, P. (1965) 10-23454 F
Dtsch.Fisch.-Ztg, 12(7):193-206
Methoden der Steigerung der Teichfischproduktion in Israel
(Methods for increasing the pond fish production in Israel)

Janssens, P.A. (1964) 10-23455 F
Comp.Biochem.Physiol., 11(1):105-17
The metabolism of the aestivating African lungfish

Observations are recorded on the concentration of carbohydrate and fat reserves in the tissues, and the activities of several enzymes at key points in the pathways of protein and amino acid metabolism have been studied in normal, starved and aestivating fish.

Makarov, E.V. (1961)C 10-23456 F
In 10-20151
Usloviia i rezul'taty estestvennogo razmnozheniia donskikh sudaka i leshcha v 1960 godu
(The conditions and results of natural breeding of the Don pike-perch and bream in 1960)

Boiko, E.G. & I.N. Timofeev 10-23457 F
(1961)C
In 10-20151
Biologicheskoe obosnovanie promyslovoi mery na sudaka i leshcha
(The biological basis of measures to control the pike-perch and bream)

Troitskii, S.K. & E.P. Teplova (1961)C 10-23458 F
In 10-20151
O tselesoobraznosti sovmestnogo vyrashchivaniia tovarnoi ryby s molod'iu sudaka i tarani v Akhtarskom nerestovo-vyrastnom khoziaistve
(The advisability of joint rearing of food fish with pike-perch and roach fry in the Akhtarsk spawning and rearing farm)

Ivanova, V.V. & O.D. Romanycheva (1961)C 10-23459 F
In 10-20151
Usloviia vyrashchivaniia tovarnoi ryby v rybovodnykh khoziaistvakh poimy r.Don
(Conditions for the rearing of food fish in the fish farms of the Don catchment basin)

Alekseeva, E.V. & A.A. Meleshchko (1961)C 10-23460 F
In 10-20151
Biologicheskie osobennosti proizvoditelei rybtsa, usloviia ikh soderzhaniia v sadkakh i razrabotka bolee sovershennogo sposoba inkubatsii ikry v apparatakh Iushchenko
(The biological features of vimba sires, conditions for keeping them in store ponds, and development of an improved method of roe incubation in a Iushchenko apparatus)

Logvinovich, D.N. (1961)C 10-23461 F
In 10-20151
Pishchevoi ratsion lichinok i mal'kov rybtsa
(The food ration of vimba larvae and fry)

Zhdanova, N.N. (1961)C 10-23462 F
In 10-20151
Materialy po biologii molodi sudaka, vyrashchennoi v Uziakskom nerestovo-vyrastnom khoziaistve v 1960 godu
(Materials on the biology of pike-perch fry reared at the Uziak spawning and rearing farm in 1960)

Kopets, V.A. & M.I. Zozulina (1961)C 10-23463 F
In 10-20151
K izucheniiu kormovoi bazy vodoemov NVKh i putei ee povysheniia
(A contribution to study of the food base of spawning and rearing ponds and ways of improving it)

Romanycheva, O.D. (1961)C 10-23464 F
In 10-20151
Embrembrional'noe razvitie sudaka, usloviia i rezul'taty ego neresta v Rogozhkinskom rybkhoze v 1960 g. i predlozheniia po sozdaniiu spetsial'nykh nerestovikov
(The embryonic development of the pike-perch, spawning conditions and results at the Rogozhkino fish farm in 1960 and proposals for the construction of special spawning ponds)

Teviashova, O.E. (1961)C 10-23465 F
In 10-20151
Pitanie i rost molodi sudaka v Rogozhkinskom NVKh v 1960 g.
(The nutrition and growth of pike-perch fry at the Rogozhkino spawning and breeding farm in 1960)

Gorodnichii, A.E. (1961)C 10-23466 F
In 10-20151
Materialy po ekologii razmnozheniia sudaka v Veselovskom vodokhranilishche v 1960 g.
(Materials on the reproductive ecology of the pike-perch in the Veselovskoe Reservoir in 1960)

Kochetovskii, B.A. (1961)C 10-23467 F
In 10-20151
Krasnukha karpov i mery bor'by s nei pri pomoshchi antibiotikov, khimicheskikh preparatov i dr. sredstv.
(Red rot in carp and its control by antibiotics, chemical preparations and other means)

Kamushina, A.D. & P.A. Terekhov (1961)C 10-23468 F
In 10-20151
Dinamika parazitofauny molodi leshcha i sudaka Uziakskogo nerestovo-vyrastnogo khoziaistva
(Parasite fauna dynamics of bream and pike-perch fry at the Uziak spawning and breeding farm)

Krivodubskii, G.A. (1961)C 10-23469 F
In 10-20151
Izuchenie etiologii zabolevaniia sudaka s priznakami porazheniia glaz i razrabotka mer profilaktiki
(A study of the aetiology of diseases of the pike-perch with symptoms of eye damage, and development of prophylactic measures)

Kormikov, I.F. & A.G. Shekhov 10-23470 F
(1961)C
In 10-20151
Izuchenie zakonomernosti razvitiia rastitel'nosti v rybovodnykh vodoemakh
(A study of the development of vegetation in fish breeding ponds)

Gol'dman, I.Ia. & Iu.I. Zaidiner 10-23471 F
(1961)C
In 10-20151
Puti perevoda na khozraschet Rogozhkinskogo rybovodnogo predpriiatiia
(Ways of converting the Rogozhkino fisheries to cost accounting)

Nümann, W. (1964) 10-23472 F
Schweiz.Z.Hydrol., 26(1):102-46
Formenkreise der italienischen, jugoslawischen und adriatischen Forellen, zugleich ein Beitrag über den Wert einiger meristischer Merkmale für Art- und Rasseanalysen
(The forms of Italian, Yougoslav and Adriatic trouts, a contribution to the value of some meristic characteristics for species- and genera analyses)

Shentiakov, L.F. (1961) 10-23473 F
Trudy Inst.Biol.Vodokhran., (4/7):281-93
Primenenie sposoba Chebysheva k metodike rekonstruktsii rosta ryb po cheshue
(Application of the Chebyshev method to the procedure for determining the age of fishes from the scales)

Shnitnikov, A.V. (1961) 10-23474 F
Trudy Lab.Ozerov., 14:231-49
O nakhodkakh zhivykh ryb v donnykh otlozheniiakh sukhikh ozer
(Findings of live fishes in bottom deposits of dry lakes)

Nosal', A. (1961) 10-23475 F
Rybovod.i Rybolov., (4):23-4
Opyt razvedeniia shchuki na Ukraine
(Experience of pike rearing in the Ukraine)

Ovchinnikova, V., 10-23476 F
S. Dobordzhchinidze & Ts. Glonti
(1961)
Rybovod.i Rybolov., (4):14
Po novomu metodu (vyrashchivanie dvukhletkov karpa pri dvukratnoi posadke)
(New method: the rearing of two-year-old carp by double stocking)

Perevozchikov, P. (1961) 10-23477 F
Rybovod.i Rybolov., (5):19-20
Razvitie rybovodstva v Udmurtskoi ASSR
(Development of pisciculture in the Udmurt ASSR)

Petrov, S. (1961) 10-23478 F
Rybovod.i Rybolov., (5):26-7
Razvedenie sigovykh v ozerekh Kurganskoi oblasti
(The rearing of Coregonidae in the lakes of the Kurgan region)

Prikhod'ko, V. & A. Nosal' 10-23479 F
(1961)
Rybovod.i Rybolov., (6):24
Belyi amur v prudakh Ukrainy
(The white amur in Ukrainian ponds)

Poddubnyi, A.G. & 10-23480 F
M.A. Fortunatov (1961)
Vop.Ikhtiol., 1(4):599-611
Problema rybokhoziaistvennogo ispol'zovaniia vodokhranilishch raznykh geograficheskikh zon
(The problem of piscicultural utilization of the reservoirs of various geographic zones)

Neverov, A. (1961) 10-23481 F
Agitator, (12):37-9
Po-khoziaiski ispol'zovat' vodoemy: o razvitii prudovogo rybovodstva
(Make economic use of waters: the development of pond fish farming)

Turdakov, F.A. & 10-23482 F
A.O. Konurbaev (1961)
Izv.Akad.Nauk kirgiz.SSR (biol.), 3:85-103
Nabliudeniia za nerestovym ukhodom issyk-kul'skogo chebachka v Cholponatinskom zalive (1959 g.)
(Observations on the spawning migration of Issyk-Kul' dace in the Cholpatinskii Gulf). Kirgiz

Burmakin, E.V. (1961) 10-23483 F
Trud.Soveshch.ikhtiol.Kom., 13
Absoliutnaia chislennost' okunia i ego ikhtiomassa v malykh ozerakh. Resul'taty total'nogo unichtozheniia ryb khimicheskim metodom
(The absolute numbers of the perch and its ichthyological mass in small lakes. Results of total destruction of fish by chemicals)

Iakovleva, A.N. (1961) 10-23484 F
Trud.Soveshch.ikhtiol.Kom., 13
Kharakteristika zapasov ryb v zone Stalingradskogo vodokhranilishcha
(A description of fish populations in the zone of the Stalingrad Reservoir)

Cheprakova, Iu.I. (1961) 10-23485 F
Trud.Soveshch.ikhtiol.Kom., 13
Soderzhanie zhira v neoplodotvorennoi ikre tekuchikh samok nerestovogo stada vobly
(Fat content in the unfertilized roe of females in a spawning shoal of roach)

Il'ina, L.K. & A.G. Poddubnyi (1961) 10-23486 F
Trud.Soveshch.ikhtiol.Kom., 13
O nekotorykh zakonomernostiakh dinamiki stad promyslovykh ryb v Rybinskom vodokhranilishche
(Some features of the dynamics of food fish shoals in the Rybinsk Reservoir)

Makarova, N.P. (1961) 10-23487 F
Trud.Soveshch.ikhtiol.Kom., 13
O nekotorykh zakonomernostiakh zhironakopleniia u sazana
(Some features of fat accumulation in the common carp)

Nebol'sina, T.K. (1961) 10-23488 F
Trud.Soveshch.ikhtiol.Kom., 13
Vliianie zaregulirivaniia stoka Volgi na velichinu urozhaia vobly, leshcha i sudaka
(The effect of regulation of the discharge of the Volga on the yield of roach, bream and pike-perch)

Kuz'min, A.G. (1961) 10-23489 F
Trud.Soveshch.ikhtiol.Kom., 13
Mnogoletnie izmeneniia sostava i chislennosti stada volzhskogo sudaka
(Long-term variations in the composition and numbers of the Volga pike-perch)

Konstantinova, N.A. (1961) 10-23490 F
Trud.Soveshch.ikhtiol.Kom., 13
Znachenie pavodkovogo perioda v sezonnoi dinamike biologicheskikh pokazatelei nekotorykh vidov ryb Nizhnei Volgi
(The significance of the flood period in the seasonal dynamics of the biological indices of certain fish species in the Lower Volga)

Zlokazov, V.N. (1961) 10-23491 F
Trud.Soveshch.ikhtiol.Kom., 13
O biologicheskikh osnovakh regulirovaniia vylova sigovykh v Obskom basseine
(The biological basis of regulation of the permitted catch of Coregonidae in the Ob basin)

Paiusova, A.N. (1961) 10-23492 F
Trud.Soveshch.ikhtiol.Kom., 13
O metodakh nabliudeniia za molod'iu vobly i leshcha v elementarnykh populiatsiiakh
(Methods of reserving roach and bream fry in elementary populations)

Smolei, A.I. (1961) 10-23493 F
Trud.Soveshch.ikhtiol.Kom., 13
Vliianie spuska ozera Sevan na sostoianie zapasov forelei
(The effect of the fall in the level of Lake Sevan on the state of the trout population)

Aliev, D. (1961) 10-23494 F
Rybovod.i Rybolov., (5):14-6
Amur i tolstolobik v Turkmenii
(The amur and silver carp in Turkmenia)

Bil'ko, V. (1961) 10-23495 F
Rybovod.i Rybolov., (6):11
Prudovoe rybovodstvo sela Krykovtsy, Vinnitskoi oblasti
(Pond fishery at Krykovtsa village, Vinitsa Prov.)

Vavilkin, A. (1961) 10-23496 F
Rybovod.i Rybolov., (4):6-7
Kormlenie segoletkov
(Feeding first-year fishes)

Verigin, B.V. (1961) 10-23497 F
Rybovod.i Rybolov., (4):26
Zmeegolov v Podmoskov'e. Dopolnitel'nye dannye ob akklimatizatsii i biologii zmeegolova k stat'e F. Tret'iakova Zmeegolov v Khimkinskom vodokhranilishche - Rybovod.i Rybolov., (2) 1961
(Snake-heads of the Moscow region. Additional data on snake-head biology and acclimatization, supplementary to F. Tret'iakov's paper Snake-heads in the Khimka Reservoir, published in Rybovod.i Rybolov., (2) 1961)

Goriunova, A. (1961) 10-23498 F
Rybovod.i Rybolov., (5):27-8
Serebrianyi karas' v prudakh Tselinnogo kraia
(Goldfish in ponds of the Virgin Lands)

Gofman, M. (1961) 10-23499 F
Rybovod.i Rybolov., (4):2-3
Sovmestnoe vyrashchivanie ryby i utok
(Rearing fishes and ducks simultaneously)

Dorokhov, S. (1961) 10-23500 F
Rybovod.i Rybolov., (6):9-11
Rybovodstvo Smolenskoi oblasti
(Pisciculture in the Smolensk Province)

Zhukovskii, G. & M. Timofeiuk (1961) 10-23501 F
Rybovod.i Rybolov., (6):31-2
Novyi sposob kormleniia ryby v prudakh
(A new method of feeding fishes in ponds)

Karpenko, N. & M. Sventsitskii (1961) 10-23502 F
Rybovod.i Rybolov., (4):26
Bor'ba s krasnukhoi s pomoshch'iu gibridizatsii
(Rubeola control by hybridization)

Kipper, Z. & Z. Rudin (1961) 10-23503 F
Rybovod.i Rybolov., (5):24-6
Novye zemlianye sadki
(New land breeding tanks)

Kovalik, T. (1961) 10-23504 F
Rybovod.i Rybolov., (5):30-2
Kitaiskii okun'. Biologiia i vopr. akklimatizatsii
(The Chinese perch: biology and problems of acclimatization)

Edun, V. & O. Kulakovskaia (1961) 10-23505 F
Rybovod.i Rybolov., (5):22
Tserkarioz ryb
(Fish cercaria infection)

Korotkevick, G. (1961) 10-23506 F
Rybovod.i Rybolov., (4):27-8
Vliianie zimovki na ves i teloslozhenie karpa
(Effect of over-wintering on weight and build of carp)

Manuilenko, E. (1961) 10-23507 F
Rybovod.i Rybolov., (6):26
Raduzhnaia forel' v Odesskoi oblasti
(The rainbow trout in the Odessa Province)

Martyshev, F.G. (1961) 10-23508 F
Rybovod.i Rybolov., (4):4-5
Karp v torfianykh kar'erakh
(Carp in peat quarries)

Maslennikova, E. (1961) 10-23509 F
Rybovod.i Rybolov., (6):4-19
Novoe o kostiazise, zabolevanie u molodi karpov
(New developments in regard to costiasis, a disease of carp fry)

Murin, V. (1961) 10-23510 F
Rybovod.i Rybolov., (5):10-1
Dokhodnaia otrasl'. Prudovoe rybovodstvo v kolkhozakh i sovkhozakh Ukr.SSR
(A profitable branch of production. Pond pisciculture in Ukrainian state and collective farms)

Miasnikov, G. (1961) 10-23511 F
Rybovod.i Rybolov., (4):20-1
Rabota Goriuchekliuchevskogo rybopitomnika (rybtsovo-shemainyi)
(Work of the Goriuchekliuchevskii fish nursery: Vimba and Chalcalburnus)

Strel'nikov, S. (1961) 10-23512 F
Rybovod.i Rybolov., (6):21-2
Pitanie i rost segoletkov karpa
(The nutrition and growth of yearling carp)

Iakovlev, V.N. (1961) 10-23513 F
Vop.Ikhtiol., 1(2):219-20
Rasprostranenie presnovodnykh ryb neogena Golarktiki i zoogeograficheskoe raionirovanie
(Range of Neogean freshwater fishes in Holarctica and zoogeographical regionalization)

Aliev, D. (1961) 10-23514 F
Vop.Ikhtiol., 1(4):650-8
Opyt polucheniia potomstva ot dal'nevostochnykh rastitel'noiadnykh ryb v usloviiakh Turkmenii
(Experiment in breeding Far Eastern phytophagous fishes under Turkmenian conditions)

Vasil'eva, G.I. & G.L. Okuneva 10-23515 F
(1961)
Vop.Ikhtiol., 1(4):752-61
Opyty po razvedeniiu kolovratki Brachionus rubens Ehrbg. kak korma dlia molodi ryby
(Experiments in rearing the rotifer Brachionus rubens Ehrenburg as food for fish fry)

Verigin, B.V. (1961) 10-23516 F
Vop.Ikhtiol., 1(4):640-9
Itogi raboty po akklimatizatsii dal'nevostochnykh rastitel'noiadnykh ryb i meropriiatiia po ikh dal'neishemu osvoeniiu i izucheniiu v novykh raionakh
(Results of work on the acclimatization of Far Eastern phytophagous fishes and measures for their further recovery and study in new regions)

Martyshev, F.G. (1961) 10-23517 F
Vop.Ikhtiol., 1(4):612-21
Zadachi issledovaniia v oblasti prudovogo rybovodstva
(Research targets in pond pisciculture research)

Irikhimovich, A. & V. Nekhai 10-23518 F
(1961)
Rybovod.i Rybolov., (4):7-8
Rybovodstvo v Moldavii
(Fish farming in Moldavia)

Naumov, V.M. (1961) 10-23519 F
Rybovod.i Rybolov., (5):56-7
Rybovodstvo v Indii
(Pisciculture in India)

Shpet, G.I., N.N. Kharitonova & 10-23520 F
L.A. Bakunenko (1961)
Zool.Zh., 40:1691-5
K sravnitel'noi morfologii zhabernogo apparata karasia i karpa v sviazi s razlichiiami v ikh pitanii
(Comparative morphology of the gill apparatus in Carassius and Cyprinidae in connexion with differences in the diet). En

Chagas, C. & M.-A. Esquibel 10-23521 F
(1965)
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(11):
3172-4
Isolement et étude physiologique de la face innervée d'une électroplaque à partir de l'organe de l'Electrophorus
(Isolation and physiological study of the innervated side of an electroplate from the organs of Electrophorus)

Muckensturm, B. (1965) 10-23522 FG
C.r.hebd.Séanc.Acad.Sci.,Paris (12), 260(11):
3183-4
Possibilités inattendues de manipulation chez l'épinoche (Gasterosteus aculeatus)
(Unexpected abilities of manipulation performed by stickleback (Gasterosteus aculeatus))

Backiel, T. (1964) 10-23523 FG
Roczn.Nauk rol.(B), 84(2):241-53
Odpadanie znaczków u cert
(Tag detachment in Vimba vimba L.). Pl
En Ru

Describes double tagging experiment in a gillnet fishery. Rates of tag loss are given, and it is observed that detachemnt rate is four times as high for the tag fixed just behind dorsal fin as for that fixed just in front of dorsal fin. Results applied to tagging experiment data to obtain corrected total mortality coefficients.
CR 58-1530, 10-23064.

Hochachka, P.W. (1963) 10-23524 FG
J.Fish.Res.Bd Can., 20(3):845-7
On the need for measuring the buffering capacity of fish blood

Stresses the point that full definitions of condition are required if results of haemoglobin determinations are to be of value, such as estimating the buffering capacity.

Pathak, S.P. & B.R. Reddy (1963) 10-23525 FG
J.Sci.Fd Agric., 14(5):395-404
Component glycerides of an Indian freshwater fish fat

Gumerov, R. (1961) 10-23526 FG
Rybovod.i Rybolov., 4:16-7
Perevozka ryby v germeticheskom chane s kislorodom
(Transporting fish in a sealed oxygen tank)

Larkin, P.A. (1963) 10-23527 G
J.Fish.Res.Bd Can., 20(3):647-78
Interspecific competition and exploitation

A theoretical treatment of the consequences of exploiting either or both of a pair of competing species in relation to fisheries. From the Lotka-Volterra equations maximum sustained yield of a species, under various degrees of exploitation of its competitor, can be calculated. A stochastic version is given for study of small populations, and a discrete time model (the theoretical predictions of which were confirmed by computer results) is described.

Power, G. (1964) 10-23528 G
Trans.Amer.Fish.Soc., 93(2):201-2
A technique for preparing scale smears

Sheeler, P. & A.A. Barber (1964) 10-23529 G
Comp.Biochem.Physiol., 11(1):139-45
Comparative hematology of the turtle, rabbit and rat

Hematologic data, and preliminary observations on the transfer of iron in vitro from Pseudemys elegans iron-binding serum proteins to circulating red cells are reported. Turtle hematological values are compared with those of the rat and rabbit.

Robson, D.S. & H.A. Regier (1964) 10-23530 G
Trans.Amer.Fish.Soc., 93(3):215-26
Sample size in Petersen mark-recapture experiments

Davis, W.S. (1964) 10-23531 G
Trans.Amer.Fish.Soc., 93(3):227-32
Graphic representation of confidence intervals for Petersen population estimates

MISCELLANEOUS AND AUXILIARIES

Vinogradov, M.E., N.V. Parin & A.I. Savilov (1962) 10-23532 M
Okeanologiia, 2(3):493-505
(Marine biology. The 10th Pacific Science Congress). Ru

No 60-248me.

ZoBell, C.E. (1963)C 10-23533 M
In 9-08019:3-24
Domain of the marine microbiologist

Issued also as: Contr.Scripps Instn Oceanogr., (1476), 1964.

Koblents-Mishke, O.I. (1962) 10-23534 M
Okeanologiia, 2(3):535-9
(Methodological problems involved with the study of productivity in the ocean. The 10th Pacific Science Congress). Ru

No 60-248me.

Tatewaki, M. (1962) 10-23535 M
Acta phytotax., Kyoto, 20:90-3
(Demarcation lines of the islands of the North Pacific Ocean). Ni

Konda, S. (1965) 10-23536 M
Fish.News int., 4(2):189-94
Asia's expanding territorial seas

Discusses Soviet exclusive fishing area in Okhotsk Sea and Korean, Chinese, Japanese, Indonesian and Philippine limits of territorial seas.

Remy, D. (1964) 10-23537 M
Stud.Rev.gen.Fish.Coun.Medit., (24):30 p.
Regulations on certain sea food processing industries in Mediterranean countries

Ivanov-Frantzkevich, G.N. (1963) 10-23538 M
Cent.Mar.Fish.Res.Sub-Sta.Ernakulam, (6):3 p.
Soviet periodical and non-periodical publications in oceanography and fisheries

Lists the most important publications.

Volkov, A.A. (1961) 10-23539 M
Ryb.Khoz., (3):72-80
Zhenevskie konventsii po mezhdunarodnomu morskomu pravu
(The Geneva convention on the international law of the sea)

Dobrovol'skii, A.D. (1961) 10-23540 M
Okeanologiia, 1(2):355-9
Nikolai Nikolaevich Zubov - odin iz krupnykh sovetskikh okeanologov (24 maia 1885 g. - 11 noiabria 1960 g.). Spisok vazhneishikh rabot N.N. Zubova p. 359
(Nikolai Nikolaevich Zubov - a leading Soviet oceanologist (24 May 1885-11 November 1960). With a list of N.N. Zubov's major works)

Zenkevich, L.A. (1961) 10-23541 M
Okeanologiia, 1(1):193-6
Dekret ot 10 marta 1921 g. ob issledovaniiakh severnykh morei
(The decree of 10 March 1921 on investigations of the northern seas)

Zaitsev, G.N. (1961) 10-23542 M
Okeanologiia, 1(2):362-3
Okeanograficheskie raboty, opublikovannye rybokhoziaistvennymi nauchno-issledovatel'skimi institutami v 1960 g.
(Oceanographical works published by institutes of scientific research on the fishing industry in 1960)

Zenkevich, L.A. (1961) 10-23543 M
Okeanologiia, 1:777-8
Ot redaktsii (o znachenii morskikh issledovanii)
(The importance of marine exploration: editorial)

Barnes, H. (1965) 10-23544 M
Nature, Lond., 206(4985):648
Aspects of recent marine biological research

Young, R. (1965) 10-23545 M
Amer.J.int.Law, 59(3):505-22
Offshore claims and problems in the North Sea

Rulifson, R.L. & R.W. Schoning (1963) 10-23546 M
Invest.Rep.Fish.Comm.Ore., (1):46 p.
Geophysical offshore oil explorations and associated fishery problems

Principle and methods of marine oil exploration, principle of damage to marine life, injuries, float or sink, frighten from area, biological studies of effect of explosives on marine life, black powder, high explosives, operational difficulties, concern by fishermen.

Aron, W. et al. (1962)BC 10-23547 M
Santa Barbara, California, General Motors Corp. Defense Research Labs, TID-17722: 235 p.
A survey of the oceanographic literature of the Santa Barbara Channel area

PINRO (1961)C 10-23548 M
Murmansk, 22 p.
Kratkii ukazatel' izdanii PINRO. (1934-1960gg)
(Short index of PINRO publications from 1934 to 1960)

Lacroix, G. & J. Bergeron (1963) 10-23549 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:59-63
Liste préliminaire des invertébrés du banc de Bradelle
(Preliminary list of the invertebrates of the Bradelle Bank)

Brunel, P. (1963) 10-23550 M
Rapp.Sta.Biol.mar.Grande-Rivière, 1962:81-9
Inventaire taxonomique des invertébrés marins du Golfe Saint-Laurent
(Taxonomic inventory of the marine invertebrates of the Gulf of Saint Lawrence)

Crutchfield, J.A. (1963) 10-23551 M
Proc.Gulf Caribb.Fish.Inst., 15(1962):44-9
International conflict and the sea fisheries

Present state of knowledge on resources, sources of international conflict, prospects for the future.
Pr 61-348me.

Lucas, C.E. (1964) 10-23552 M
Advanc.Sci., Lond., 21(91):286-96
Aspects of marine fisheries research

Thomas, H.D. (Comp.) (1965) 10-23553 M
Zool.Rec., 99(4):37 p.
Coelenterata

17 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Beamer, Y.B. (1964) 10-23554 M
Clin.Pediat., 3:339-47
Trauma and disease in humans caused by marine organisms

Best, W.C. et al. (1964) 10-23555 M
Archs Derm., 90:177-9
Cymothoidism (sea louse dermatitis)

Wolfle, D. (1965) 10-23556 M
Science, 148(3666):25
The continental shelf

Editorial note discussing the state's right to the shelf, according to the Geneva convention.

Shalowitz, A.L. (1965) 10-23557 M
Science, 148(3676):1412
The continental shelf

A contribution to the discussion on the convention of Geneva, on state's right to explore the shelf.
Ci 10-23556.

Quartermain, L.B. (Comp.) (1965) 10-23558 M
N.Z.J.Geol.Geophys., 8(2):371-80
Publications resulting from work done under the aegis of the New Zealand Antarctic research programmes 1963-1964, with additions 1956-1962

Incl. list of papers in oceanography and marine biology.

Freed, D. (1963) 10-23559 M
Bull.N.Z.Dep.sci.industr.Res., (148):46 p.
Bibliography of New Zealand marine zoology 1769-1899

Approx. 800 titles classified in accordance with requirements of marine zoologists and listing the taxa in the sequence dictated by usage.

Banaszkiewicz, T. (1964) 10-23560 M
Bull.Inst.mar.trop.Med.Gdansk, 15:219-25
(Analysis of the occurrence of trauma on factory ships). Pl

Ray, C. (1963) 10-23561 M
Proc.int.Congr.Zool., 16(3):406-11
The scientific need for shallow-water marine sanctuaries

Pr 62-078me.
Abstract only.

Moiseev, P.A. (1961) 10-23562 M
Ryb.Promyshl.dal.Vost., (11):6-9
Sokrovishchami okeana pol'zovat'sia razumno. O Sovetsko-Iaponskoi konventsii po rybolovstvu v otkrytom more v severo-zapadnoi chasti Tikhogo okeana i nekotorykh zadachakh issledovanii
(Use the treasures of the ocean sensibly. On the Soviet-Japanese convention on fishing in the high seas in the north-west Pacific and some research targets)

Schwann, J. (1963)B 10-23563 MG
Medycyna Pr., 14:335-46
Views on the etiology of occupational skin diseases in sea-going fishermen

Riffenburgh, R.H. (1963)C 10-23564 MG
14 p., mimeo
On problems of biological sampling in exotic environments

Theoretical study, incl. among "exotic" environments, marine habitats; problems of setting up sampling procedures with little or no a priori information.
Do 62-036me.

Holdgate, M.W. (1965) 10-23565 MF
Polar Rec., 12(80):553-73
Biological research by the British Antarctic survey

Includes data of research on freshwater and marine biology.

ANON. (1961) 10-23566 MF
Rybovod.i Rybolov., (5):33 p.
Chto mozhno prochitat' v zarubezhnykh zhurnalakh po rybolovstvu. Annotirovannyi spisok
(An annotated list of information in non-Soviet journals on fishing)

Shafranovskii, K.I. (1961) 10-23567 MF
Zool.Zh., 12:906-7

Review of: Zoologi sovetskogo soiuza. Spravochnik. (A guide to the zoologists of the Soviet Union). Moscow, Leningrad, Izd.Akad.Nauk SSSR, 1961.

Dubinin, V.B. & Iu.V. Kurochkin (1961) 10-23568 MF
Trudy astrakh.Zapov., 5:370-88
Bibliograficheskii ukazatel' rabot po parazitologii del'ty Volgi
(Bibliographical index on Volga Delta parasitology)

Hedgpeth, J.W. (1965) 10-23569 MF
Science, 148(3671):786-7
The information explosion: aquatic sciences version

Seber, G.A.F. (1962) 10-23570 MF
Biometrika, 49(3/4):339-50
The multi-sample single recapture census

WR (109):7.

Abramson, N.J. (1963) 10-23571 MF
Trans.Amer.Fish.Soc., 92(3):310
Computer programs for fisheries problems

World Food Congress, Washington D.C., 4-18 June 1963 (1963)C 10-23572 MF
Rome, FAO, :261-80
Fishery resources and production; marine and inland fisheries

Main problems and developments in the utilization of fishery resources.

Tholasilingam, T. (Ed.)(G.N. Ivanov-Frantzkevich, Transl.)(1963) 10-23573 MF
Cent.Mar.Fish.Res.Sub-Sta.Ernakulam, (1):24 p.
Some Soviet publications concerning fisheries (Contents and introductions)

World Food Congress, Washington, D.C., 4-18 June 1963 (1963)C 10-23574 MF
WFC/63/REP/I, 23 p., mimeo
Report technical commission 1.

Contains section on fisheries, with special reference to international exploitation and management of sea resources.
Do 61-428me.

Soulier, A. (Comp.)(1963) 10-23575 MF
Occ.Pap.Indo-Pacif.Fish.Coun., 63(11):80 p.
Preliminary bibliography of fish and fisheries for Cambodia, Laos and Vietnam

Lists references in alphabetic order of authors' names. Appends a chronological index.

Soulier, A. (Comp.)(1963) 10-23576 MF
Occ.Pap.Indo-Pacif.Fish.Coun., 63(13):33 p.
Preliminary bibliography of fish and fisheries for Malaysia

Lists references in alphabetical order of authors' names. Appends a chronological index.

Lederer, J. (1963)C 10-23577 MF
Paris, Maubert et Cie, 181 p.
Médecine et plongée
(Medicine and diving)

Chapters on anatomy, physiology of the human body, pathology of diving, medical care of accidents.

Treshchev, A.I. (1961) 10-23578 MF
Ryb.Khoz., 5:54-9
K voprosu o razvitii teorii rybolovstva
(Development of a theory of fishing)

Harding, J.P. & R.W. Ingle (Comp.) (1965) 10-23579 MF
Zool.Rec., 99(10):76 p.
Crustacea

33 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Hastings, A.B. (Comp.) (1965) 10-23580 MF
Zool.Rec., 99(8):16 p.
Bryozoa (Polyzoa)

6 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Browning, E. (Comp.) (1965) 10-23581 MF
Zool.Rec., 100(12):111 p.
Arachnida

54 pages of references in alphabetic order of author names to documents published mostly in 1963; subject, geographic and taxonomic indexes.

Clark, A.M. (Comp.) (1965) 10-23582 MF
Zool.Rec., 100(5):36 p.
Echinodermata

17 pages of references in alphabetic order of author names to documents published mostly in 1963; subject, geographic and taxonomic indexes.

Schmidt-Nielsen, B. & D.F. Laws (1963) 10-23583 MF
Annu.Rev.Physiol., 25:631-58
Invertebrate mechanisms for diluting and concentrating the urine

Comprehensive review of literature up to 1962. Bibliography.

Rodier, J. (1963)C 10-23584 MF
Paris, UNESCO, 166 p.
Bibliographie hydrologique africaine
Bibliography of African hydrology

Neal, R.A. & P. Curds (Comp.) 10-23585 MF
(1965)
Zool.Rec., 99(2):91 p.
Protozoa

56 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Jeuniaux, C. (1963) 10-23586 MF
Proc.int.Congr.Zool., 16(2):78
Distribution of chitin in animals

Pr 62-078me.
Abstract only.

Holt, S.J. & S.B. Saila 10-23587 MF
(1963)A
Proc.int.Congr.Zool., 16(2):309
Some specific approaches to international cooperation in aquatic sciences communications

Pr 62-078me.
Abstract only.

Idyll, C.P. (1963) 10-23588 MF
Proc.int.Congr.Zool., 16(4):330-8
Marine fish production: a world-wide view

Discusses the adequacy of data on fish production, the estimation of fish stocks, total productivity and energy transfer in the sea.
Pr 62-078me.
Abstract only.

International Commission on 10-23589 MF
Zoological Nomenclature (1963)
Bull.zool.Nom., 20(5):321-400

Contains notices, decisions, new applications and comments on cases of zoological nomenclature, considered by the International Commission of Zoological Nomenclature.

Lebreux, M. & G. Lacroix 10-23590 MF
(1963)
Cah.Inform.Sta.Biol.mar.Grande-Rivière, (18): 97 p.
Catalogue des périodiques déposés dans la bibliothèque de la station de biologie marine de Grande-Rivière jusqu'au 31 juillet 1963
(Catalogue of periodicals deposited in the library of the marine biological station of Grande-Rivière up to 31 July 1963)

Svetovidova, A.A. (1961) 10-23591 MF
Vop.Ikhtiol., 1:391
Stoletie biologicheskikh rybokhoziaistvennykh issledovanii v nashei strane (Moskva, 1961 g. 27 ianvaria)
(A century of biological research in connexion with the fishing industry in our country. Moscow, 27 January 1961)

Dymond, J.R. (1964) 10-23592 MF
Copeia, (1):2-33
A history of ichthyology in Canada

Gives full account of the scientific activities in the field of ichthyology and quotes a comprehensive list of references.

Myers, G.S. (1964) 10-23593 MF
Copeia, (1):33-41
A brief sketch of the history of ichthyology in America to the year 1850

Hubbs, C.L. (1964) 10-23594 MF
Copeia, (1):42-60
History of ichthyology in the United States after 1850

Ellis, L.G. (Comp.) (1965) 10-23595 MF
Zool.Rec., 99(20):19 p.
List of new generic and subgeneric names recorded in volume 99

The total number of new names in this list is 2237, amongst them: Protozoa 78; Porifera 36; Coelenterata 45; Echinodermata 45; Bryozoa 13; Mollusca 240; Crustacea 207; Pisces 47.

Shkorbatov, G.L. (1961) 10-23596 MF
Zool.Zh., 40:1437-52
Vnutrividovaia fiziologicheskaia izmenchivost' u vodnykh poikilotermnykh zhivotnykh
(Intraspecific physiological variability in poikilothermal aquatic animals). En

Segrell, T. (1963) 10-23597 F
FiskTidskr.Finl., 28-30
Förslag till nya fiskebestämmelser för de svenskfinska gränsvattnen
(Proposed new fishery regulations for Swedish-Finnish boundary rivers). Sv

Christensen, E.M. (1962) 10-23598 F
Gr.Basin Nat., 22(1-3):32-53
Bibliography of Utah aquatic biology 2.

Supplements 1956 bibliography. Contains 390 references dated prior to December 31, 1961. Most are to papers written since 1956.
Co E.M. Christensen 1956.
SFA 8(2)5666.

Venderov, S.L. (1961) 10-23599 F
Izv.Akad.Nauk SSSR (geogr.), (4):45-57
Rol' vodokhranilishch v preobrazovanii prirody
(The role of reservoirs in the transformation of nature)

Salisbury, A.E., P. Curds & S.E. Bunney (Comp.) (1965) 10-23600 F
Zool.Rec., 99(9): 184 p.
Mollusca

70 pages of references in alphabetic order of author names to documents published mostly in 1962; subject, geographic and taxonomic indexes.

Dekeyser, P.-L. (1963) 10-23601 F
Notes afr., (99):65-107
Principes et historique de la conservation de la nature (1933-1963)
(Principles and history of the conservation of nature (1933-1963))

Contains chapter on productivity of fresh waters.

Glushankov, K. (1961) 10-23602 F
Rybovod.i Rybolov., (2):17-8
Veterinarnyi nadzor za vodoemami
(Veterinary supervision of bodies of water)

Martyshev, F. (1961) 10-23603 F
Rybovod.i Rybolov., (3):32
O podgotovke kolkhoznykh rybovodov
(Training collective farm pisciculturists)

Eden, G.E. (1965) 10-23604 F
Schweiz.Z.Hydrol., 26(2):373-82
Progress and new developments in the field of biological filtration

Klement, A.W., Jr. (1965)C 10-23605 F
Washington, United States Atomic Energy Commission, Division of Biology and Medicine, TID-3910(Suppl.3):115 p.
Terrestrial and freshwater radioecology - a selected bibliography - supplement 3

Co 10-23607.

Klement, A.W.,Jr. & V. Schultz (1963)C 10-23606 F
Washington, United States Atomic Energy Commission, Division of Biology and Medicine, TID-3910(Suppl.1):95 p.
Terrestrial and freshwater radioecology - a selected bibliography - supplement 1

Lists 902 papers and 25 bibliographies.
Co 9-02594.

Klement, A.W.,Jr. & V. Schultz (1964)C 10-23607 F
Washington, United States Atomic Energy Commission, Division of Biology and Medicine, TID-3910(Suppl.2):123 p.
Terrestrial and freshwater radioecology - a selected bibliography - supplement 2

Co 10-23606.

Germany. Federal Republic of. 10-23608 F
Bundesforschungsanstalt für Fischerei
in Hamburg (1963)
Inform.Fischw., 10(4):126-58

Contains notes and extracts on scientific, technical and economical discoveries, developments and practices in fisheries in Germany and other countries.

Lambou, V.W. (n.d.1963?)C 10-23609 F
Baton Rouge, Louisiana, Louisiana Wild Life and Fisheries Commission, 30 p., mimeo
Recommended method of reporting creel survey data for reservoirs prepared for the reservoir committee, southern division of the American fisheries society

Presents standard method of reporting creel survey data and more specifically to recommend the types of creel survey data to be collected and reported. Salient features of creel survey methods are discussed.

Robertson, D.H.H. (1963) 10-23610 F
Bull.World Hlth Org., 28(5-6):627-43
Human trypanosomiasis in south-east Uganda. A further study of the epidemiology of the disease among fishermen and peasant cultivators

Describes a number of epidemiological factors affecting the occurrence of sleeping-sickness due to Trypanosoma rhodesiense among fishermen, placing emphasis on the correct development of the local fishing industry to avoid, on the one hand, depleting the fish population and, on the other, increasing the incidence of sleeping-sickness. Sociological factors which militate against the development of settlement in that area are discussed.

USSR. Akademiia Nauk. Biblioteka 10-23611 F
(1961)C
Moskva, Izd.Akad.Nauk SSSR, 59 p.
Institut biologii vodokhranilishch AN SSSR. Izdaniia ....1950-1960 gg. Bibliograficheskii ukazatel'
(Bibliography of the publications of the Institute of the Biology of Reservoirs, Acad.Sci.USSR: 1950-1960)

Martekhov, P.F. (1961) 10-23612 F
Sbirka Rab.ikhtiol.gidrobiol.Inst.ryb.Khoz., (3):146-53
Biologicheskie osnovy ratsional'nogo ispol'zovaniia rybnykh zapasov Kamyshly-Bashskoi sistemy ozer
(Biological basis for rational utilization of fish stocks in the Kamysh-Bashkaia lakes)

Parker, R.A. (1963) 10-23613 FG
Biometrics, 19(2):318-23
On the estimation of population size, mortality, and recruitment

Method of estimating a constant total mortality coefficient and recruitment, assuming the latter occurs at a constant absolute rate, for recapture from a single marked batch, and giving estimates of error. Model applied to data for bluegills, sunfish and hybrids in Flora Lake, Wisconsin, 1953-55, computation being done on IBM 709, with FORTRAN program which is available from the author. Population estimates compared with those by author' 1955 method.
Ci 58-3426, 59-1839, 61-01528.

Whetten, L.L. (1965) 10-23614 G
Int.Ass., 17(2):77-80
Methods of association among international organizations; IAEA and EPTA. Fr

Vas-Zoltan, P. (1965) 10-23615 G
Int.Ass., 17(4):198-205
Aspects of defining international scientific organizations

Raup, H.M. (1964)C 10-23616 G
In 10-20152:19-28
Some problems in ecological theory and their relation to conservation

Hairston, N.G. (1964)C 10-23617 G
In 10-20152:227-39
Studies on the organization of animal communities

Stacy, R.W. & B.D. Waxman (Eds)(1965)C 10-23618 G
New York, Academic Press, 562 p.
Computers in biomedical research. Volume 1

Contains under heading Computer and mathematics in the life sciences: New mathematical methods in the life sciences by G.B. Dantzig, The analog computer in the biological laboratory by J.E. Randall; under heading Computer simulation of life processes: Computer simulation of cybernetic systems by F.S. Grodins.
:sjh

ANON. (1964) 10-23619 G
Int.Abstr.Operat.Res., 4(5):375-434
Index of reviewers

Gives for Vols. 1 to 4 of IAOR, indexes of reviewers' names, authors and subjects.

Siromoney, G. (1962) 10-23620 G
Sankhya, 24:419-20
Entropy of logarithmic series distributions

Distribution was introduced by Fisher & Williams. Shows that there are two types of logarithmic series distributions.
STA 6(2)6/462.

Neuron, E. (1964) 10-23621 G
Int.Abstr.Operat.Res., 4(5):258-78
Technical term translations. Revised trilingual dictionary of operations research technical terms

Glossary produced by Operations Research Group, Pacific Missile Range, Point Mugu, California, as a compilation of the technical term translations appearing earlier in IAOR 697; corrections IAOR 1872. Compilation was rearranged alphabetically in order of German terms and also again in order of French terms. In each rearrangement, duplications were eliminated. Printing in alphabetical order of English terms here compiles corrections that appeared in IAOR 3(2) and supersedes those two earlier lists.

Jones, D.A. (1963)C 10-23622 G
Thesis, Univ.of Oxford, U.K.
Studies upon the polymorphism and antibody formation in lower organisms and their bearing on human serology

Cox, D.F. & O. Kempthorne (1963) 10-23623 G
Biometrics, 19(2):307-17
Randomization tests for comparing survival curves

Deals with study of data from work concerning genetic effects of paternal irradiation on survival in first generation. Randomization test procedure taken as basis for evaluation of results because of inherently complex correlation structure of data. Three ways in which procedure can be applied are described and related to the actual conduct of the experiment.

Steyn, H.S. (1963) 10-23624 G
Tydskr.Natuurwet., 3(1):1-8
Skatting van die parameters in waarskynlikheidsverdelings by meervoudige gebeurtenisse (Estimation of the parameters in probability distributions for multiple events). Af
En

Considers estimators of the parameters of a univariable trinomial distribution and related distributions which are associated with multiple events. Obtains expressions for the variances and covariances of the estimators and shows that for large samples the distributions of these estimators are approximately normal.

Murzaev, E.M. (1961) 10-23625 G
Izv.Akad.Nauk SSSR(geogr.), 2:132-3
K desiatiletiiu dnia smerti akademika L.S. Berga
(Tenth anniversary of the death of Academician L.S. Berg)

Batisse, M. (1964) 10-23626 G
New Scient., 22(390):346-7
Natural resources in 1984 - Learning the value of water

Jolicoeur, P. (1963) 10-23627 G
Proc.int.Congr.Zool., 16(1):183
Les combinaisons multidimensionnelles de caractères atomiques quantitatifs (Multivariate combinations of quantitative anatomical characters)

Refers to selected cases where multivariate analysis has been used.
Pr 62-078me.
Abstract only.

Strahan, R. (1963) 10-23628 G
Proc.int.Congr.Zool., 16(4):116-7
The use of cartesian coordinates for comparing related forms

Pr 62-078me.
Abstract only.

Miller, S.L. (1963)C 10-23629 G
In 10-20083:845-65
The origin of life

Early considerations of the problem, the primative atmosphere, the synthesis of organic compounds, the origin of life, evolution of early organisms, life on other planets.

Bernstein, H.H. & S. Gabbai (1963)C 10-23630 G
Brussels, EURATOM, EUR 331.e:355 p.
Inquiry on non-conventional and conventional documentation systems in use

Results of survey by EURATOM's Scientific Data Processing Center (CETIS), give outlook of more than 200 documentation services, throughout the world, with special interest to Europe. Results are presented according to classification: Computer systems, punched card systems, semi-mechanized systems (slotted cards, edge punched cards, superimposable cards, etc.) and conventional card systems. Critical evaluation of results is made. Statistical tables are available. Each documentation system is treated and analyzed, followed by a bibliography. Finally, indexes help finding information required according to countries, organizations, persons in charge, subject fields and keywords. Incl. ref. to CBASF and ASIRC in relation to work on radiobiology and the aquatic habitat.

Benjamin, B. (1963) 10-23631 G
Proc.roy.Soc.(B), 159(974):38-65
Actuarial methods of mortality analysis; adaptation to changes in the age and cause pattern

Contribution to "A Discussion on Demography" held 15 and 16 November 1962, in London.

Stewart, J.E. (1963) 10-23632 G
J.Fish.Res.Bd Can., 20(4):1103-7
An arrangement for automatically and reproducibly controlling and varying illumination in biological experiments

CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

Volume 10, Section 2 - Meetings: Congresses, Conferences, Symposia

10-127me to 10-290me

ECE(UN) (1966) Meeting of commission on water pollution problems	10-127me MF
Association of Island Marine Laboratories (1966) Meeting	10-128me M
FAO/WHO (1966) Codex alimentarius committee on fish and fish products	10-129me MF
Institute of Electrical and Electronic Engineers (1966) Ocean electronics symposium	10-130me M
WMO (1966) 3rd Informal planning conference on the world weather catch (fixed and mobile ship stations)	10-131me MG
IMCO (1966) 6th Session of sub-Committee on tonnage measurement	10-132me M
The London Chamber of Commerce/The British Compressed Air Society/The Association of Hydraulic Equipment Manufacturers/Fluid Power International (1966) Fluid power international exhibition	10-133me G
Challenger Society/Representatives from the Marine Laboratories (1966) Joint meeting	10-134me M
International Association of Fish Meal Manufacturers (1966) Meeting of executive council	10-135me M

OECD, Committee on Fisheries (1966) 15th Session	10-136me MF
UNESCO (1966) Symposium on mechanized abstracting and indexing	10-137me G
WMO (1966) 4th Session of the Regional Association for North and Central America (RA IV)	10-138me MG
ICSU (1966) 6th Meeting of executive committee	10-139me MF
Netherlands. Hydrobiological Institute (1966) Chemistry of the aquatic habitat. International technical meeting	10-140me F
Padua. University (1966) Symposium on hydrology of lakes and reservoirs	10-141me F
ISO (1966) Documentation/Documentary reproduction	10-142me G
Fisheries Policing Conference (1966)	10-143me M
IMCO (1966) 1st Session of sub-committee on radiocommunications	10-144me M
IMCO (1966) 14th Session of the maritime safety committee	10-145me M
Challenger Society (1966) 226th Scientific meeting	10-146me MF
U.S. National Committee for IBP (1966) Meeting	10-147me MF
American Society of Parasitology (1966) Annual meeting	10-148me MF
Acoustical Society of America (1966) Annual fall meeting	10-149me G

U.S. Trade Center (1966) Oceanographic equipment show and symposium	10-150me M
Rennes. Université, Faculté des Sciences (1966) Journée d'étude sur les problèmes de l'océanographie	10-151me M
WMO (1966) 4th Session of WMO Regional Association III for South America	10-152me MG
International Shrimp Council, Inc. (1966) Meeting	10-153me M
Institute of Environmental Sciences (1966) Oceanography/Oceanology Symposium	10-154me M
Ghana Academy of Sciences (1966) Symposium on man-made lakes 1966	10-155me F
IMCO (1966) 1st Session of maritime safety committee's sub-committee on life-saving appliances	10-156me M
IMCO (1966) 3rd Extraordinary session of assembly	10-157me M
GLFC (1966) Interim meeting	10-158me F
OECD, Committee on Fisheries (1966) 16th Session	10-159me MF
EEC, Statistical Office, Committee on Agricultural Statistics (1966) Meeting of working group "Statistique de la Pêche"	10-160me MF
International Institute of Refrigeration (1966) Symposium on agricultural and foodstuff applications of refrigeration for countries in the Mediterranean area	10-161me G
Aslib, Biology Group/Institute of Biology, U.K. (1966) Conference on communication in the biological sciences	10-162me MF
AAAS/Biometric Society (ENAR)/American Fisheries Society (1966) Symposium on over-exploited animal populations	10-163me MF

British Ecological Society (1967) Winter and annual general meeting	10-164me MF
IMCO (1967) 2nd Session of sub-committee on oil pollution	10-165me M
Challenger Society/Representatives from the Marine Laboratories (1967) Joint meeting	10-166me MF
IMCO (1967) 2nd Session of sub-committee on radio-communications	10-167me M
NPFSC (1967) Meeting of standing scientific committee	10-168me M
NPFSC (1967) 10th Annual meeting	10-169me M
Gulf States Marine Fisheries Commission (1967) Meeting	10-170me M
Offshore Exploration Conference (1967) 2nd Conference	10-171me M
Société Française de Radioprotection (1967) Colloque international sur la protection du milieu devant le développement des utilisations pacifiques de l'énergie nucléaire	10-172me MF
ECOSOC(UN) (1967) 5th UN regional cartographic conference for Asia and the Far East	10-173me G
International Commission on Radiological Protection (1967) Committee meetings and technical sessions of the commission	10-174me MF
WMO (1967) 5th Session of international meteorological congress	10-175me MG
IUCN (1967) Meeting of executive board	10-176me MF

FAO/ICES/ICNAF (1967) 5th Session of continuing working party on fishery statistics in the North Atlantic area	10-177me M
IHB (1967) 9th International hydrographic conference	10-178me M
COFI(FAO) (1967) 2nd Session	10-179me MF
Canadian Corporation for the 1967 World Exhibition (1967)	10-180me G
Fisheries Council of Canada (1967) 22nd Annual meeting	10-181me MF
Atomic Energy Commission/Ecological Society of America/ Michigan. University (1967) 2nd National symposium on radioecology	10-182me MF
Österreichisches Kuratorium für Wirtschaftlichkeit/ICC (1967) International congress for project planning by network analysis (INTERNET)	10-183me G
World Fishing, London (1967) World fishing exhibition	10-184me MF
ICNAF (1967) Meeting	10-185me M
Marine Technology Society (1967) Annual conference on the role of the States in oceanography	10-186me M
FAO (1967) 48th Session of council	10-187me G
Biometric Society (1967) 6th International biometric conference	10-188me G
Bergen. University, Biological Station (1967) 2nd European symposium on marine biology	10-189me M

International Statistical Institute (1967) Meeting on statistical measurement of supply and utilization of natural resources	10-190me G
FAO/International Institute of Refrigeration/IAEA (1967) Technical conference on freezing and irradiation of fish	10-191me MF
International Association of Fish Meal Manufacturers (1967) 7th Annual conference	10-192me MF
IAPO (1967) Meeting	10-193me M
Water Pollution Control Federation (1967) 40th Annual conference	10-194me MF
FAO (1967) Conference on fish behaviour in relation to fishing techniques and tactics	10-195me MF
FAO (1967) Technical committee on fisheries of FAO conference	10-196me MF
FAO (1967) 14th Session of conference	10-197me G
FAO (1967) 50th Session of FAO council	10-198me G
American Society of Civil Engineers, Sanitary Engineering Division (1967)	10-199me MF
ABZ (1966) 31st Annual meeting	10-200me MG
ABZ (1967) 32nd Annual meeting	10-201me MG
Australian Marine Sciences Association (1967) Residential conference and annual general meeting	10-202me M

ICSU (1967) 2nd Meeting of Committee on Science and Technology for the Developing Countries	10-203me G
IPFC (1967) 1st Session of working party of experts on the Indian Ocean fisheries of the IPFC	10-204me M
Challenger Society (1967) 227th Scientific meeting	10-205me MF
N.Y. Academy of Sciences, Interdisciplinary Communications Program (1967) 5th Conference on marine biology	10-206me M
IPHC (1967) Meeting	10-207me M
Pakistan Association for the Advancement of Science (1967) 18th and 19th Session of Pakistan science conference	10-208me G
IMCO (1967) 15th Session of maritime safety committee	10-209me M
International Group for Pelagic Fishing Methods and Gear (1967) 6th Meeting	10-210me M
OECD (1967) Meeting of experts on fishing fleet statistics	10-211me M
North America wildlife and natural resources conference (1967)	10-212me MF
SCIBP (1967) PM sectional committee meeting. In conjunction with 10-215me.	10-213me M
SCIBP (1967) Sectional committee on productivity of freshwater communities meeting. In conjunction with 10-215me.	10-214me F
SCIBP (1967) 4th Session	10-215me MF

IAPO/UNESCO (1967) Symposium on mean sea level	10-216me M
FAO (1967) 1st Consultation on codes of practice for fish and fishery products	10-217me MF
Advisory Committee on the Application of Science and Technology to Development (1967) Meeting	10-218me G
WMO (1967) 19th Session of the executive committee	10-219me G
U.S. State Dept. (1967) International conference on water for peace	10-220me F
IMCO (1967) 6th Session of sub-committee on subdivision and stability	10-221me M
World congress of submarine activities (1967)	10-222me M
NAS/NRC(US) (1967) 1st International symposium on eutrophication	10-223me G
ICSU (1967) 1st Meeting of committee on science and technology for the developing countries	10-224me G
ISO (1967) General assembly and various technical committees and sub-committees meetings	10-225me G
GLFC (1967) 12th Annual meeting	10-226me F
IMCO (1967) 18th Session of council	10-227me M
ASAB (1967) Summer meeting	10-228me MF

ASAB (1967) Symposium on changes in behaviour with population density. In conjunction with 10-228me.	10-229me MF
Institute of Electrical and Electronics Engineers/Information Theory Group (IEEE)/Union Radio Scientific International (1967) International symposium on information theory	10-230me G
Helgoland. Biologische Anstalt (1967) International symposium on biological and hydrographical problems of water pollution in the North Sea	10-231me M
MAMBO (1967) 3rd International colloquium of the medical oceanography working group	10-232me M
IUGG (1967) 14th General assembly	10-233me MF
IOC (1967) 5th Session	10-234me M
GFCM (1967) 9th Session	10-235me MF
ECOSOC(UN) (1967) 42nd Session	10-236me G
FAO (1967) Technical conference on fisheries of the West African countries	10-237me MF
SCOR(ICSU)/IAPO/UNESCO (1967) Meeting of panel of experts on continuing current measurement (SCOR W.G.21)	10-238me M
UNESCO (1967) Meeting of panel of experts on preparation of catalogue of fish	10-239me MF
European Federation of Chemical Engineering (1967) 2nd Symposium on freshwater from the sea	10-240me MF

ICES (1967) 10-241me M
Special meeting on the living resources of the African Atlantic continental shelf, the stocks of such resources and their fisheries between the Strait of Gibraltar and Cape Verde

IOC (1967) 10-242me M
Meeting of international co-ordination group for ICITA (Editorial Committee)

IOC (1967) 10-243me M
4th Meeting of international co-ordination group for the co-operative study of the Kuroshio

IOC (1967) 10-244me M
Meeting of working group on oceanographic aspects of marine pollution

IOC (1967) 10-245me M
Meeting of working group on intergovernmental aspects of implementation of the UN resolution on resources of the sea

IOC (1967) 10-246me MG
Meeting of working group on ocean-atmosphere interaction

SCOR(ICSU)/UNESCO (1967) 10-247me M
Symposium on micropalaeontology of marine sediments

ICES (1967) 10-248me MF
55th Statutory meeting

IOC (1967) 10-249me M
Meeting of working group on mutual assistance

International Union of Geological Sciences/UNESCO (1967) 10-250me M
Symposium on continental drift emphasizing

IAPO/SCOR(ICSU)/ICES/UNESCO (1967) 10-251me M
Meeting of panel of experts on oceanographic tables and standards

SCOR(ICSU)/IAPO/UNESCO (1967) 10-252me M
Meeting of panel of experts on continuing current measurement (SCOR W.G. 21)

WMO/IOC (1967) Meeting of joint WMO/IOC panel of experts on co-ordination of oceanographic and meteorological requirements	10-253me M
UNESCO (1967) Symposium on coastal lagoons	10-254me MF
INPFC (1967) 14th Annual meeting	10-255me M
SCIBP (1967) Symposium on methods for the study of benthic communities	10-256me M
Marine Biological Association of India (1968) 3rd Symposium on Mollusca	10-257me M
WMO (1968) 5th Session of Commission for Maritime Meteorology	10-258me MG
WMO, Advisory committee on atmospheric sciences and world weather watch (1967) Meeting	10-259me G
ECAFE(UN) (1967) 23rd Session	10-260me G
International Chamber of Shipping (1967) Annual meeting on international shipping problems	10-261me G
ECLA(UN) (1967) 12th period of sessions	10-262me G
International Association of Ports and Harbors (1967) 5th World conference including subject of construction and handling of nuclear ships	10-263me G
International Association of Geodesy/IAMAP (1967) Scientific meeting on meteorology	10-264me G
WMO (1967) Symposium on data processing for climatological purposes	10-265me G

Pan American standardization meeting on standards about fish flour and canned goods (1967)	10-266me G
International Secretariat for Volunteer Service (1967) World assembly meeting	10-267me G
National Fish Meal and Oil Association (1967) Annual symposium	10-268me M
IMCO (1967) 2nd Session of sub-committee on safety of navigation	10-269me M
International Association of Fish Meal Manufacturers (1967) Meeting of scientific committee	10-270me MF
Challenger Society (1967) Annual general meeting	10-271me M
Challenger Society (1967) 228th Scientific meeting. In conjunction with 10-271me.	10-272me M
International Association of Fish Meal Manufacturers (1967) Meeting of executive council	10-273me MF
Society of Naval Architects and Marine Engineers (1967) Central area meeting	10-274me M
NEAFC (1967) 2nd Session of special meeting on international control	10-275me M
World dredging conference (1967)	10-276me MF
ICNAF (1967) Meeting of ICNAF/ICES Working group on North Atlantic salmon; ICNAF Res. and Statistics Committee; ICNAF Assessments sub-committee; ICNAF Statistics sub-committee In conjunction with 10-185.1me.	10-277me MF
Shrimp Association of the Americas (1967) 16th Annual meeting	10-278me M
ASLO (1967) 30th Annual meeting	10-279me MF

Fairleigh Dickinson University (1967) Conference on oceanology	10-280me M
Fiera Internazionale della Pesca (1967) 27th Fair	10-281me MF
Law of the Sea Institute (1967) 2nd Annual conference on the law of the sea	10-282me M
Institute of Navigation (1967) 23rd Annual meeting	10-283me M
American Fisheries Society (1967) 97th Annual meeting	10-284me MF
Marine Technology Society (1967) 2nd International buoy technology symposium	10-285me M
SCOR(ICSU) (1967) Executive meeting	10-286me M
Gulf States Marine Fisheries Commission (1967) Meeting	10-287me M
GCFI (1967) 20th Annual session	10-288me M
British Ecological Society (1967) Summer meeting	10-289me F
American Federation of Information Processing Societies (1967) 1967 Fall joint computer conference	10-290me G

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Australia. CSIRO. Division of Fisheries and Oceanography (1965) 20003
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Zvonkov, V.V. & M.S. Buianovskii (1961) 22764
Zygmuntowa, J. (1963) 22040

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Allg.FischwirtschaftZtg. (1963) 21899 21952 22275 22276 22310 22311
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Aust.Fish.Newslett. (1965) 21934 22433 22869
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Bull.int.atom.Energ.Ag. (1963) 20847
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France Pêche (1963) 22271 22315 22521
Geotimes (1963) 20156
Indian Fmg (1964) 21684
Industr.conserv. (1963) 22305
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Inform.Bull.Planktol.Jap. (1963) 20088
Int.Abstr.Operat.Res. (1964) 23619
Int.hydrogr.Rev. (1965) 20015
J.sci.industr.Res. (1963) 20733
J.Wat.Poll.Contr.Fed. (1965) 20699
Maritimes (1963) 21536
Mondo sommerso (1965) 22376 22377
Nauch.-tekh.Biull.PINRO (1961) 20031
New Scient. (1964) 20536
Oceanus (1965) 20075 20514
Okeanologiia (1961) 20032
Pesca y Marina (1963) 21948
Pol.marit.News (1963) 21949
Pol.marit.News (1965) 21866
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Propeller (1963) 21354
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Simrad Echo (1963) 20569
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S.Pacif.Bull.(Fr) (1964) 22651
Technique, Beckenham (1963) 20311
Trud.Soveshch.ikhtiol.Kom. (1961) 23001
U.S.Trout News (1963) 23201
WMO Bull. (1963) 20662
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1937 Aleev, B.A. & K.A. Mudretsova	En	10-21182
1948 Sebestyén, O.	Co	10-21089
1949 Andriashev, A.P.	En	10-22114
1951 Shnitnikov, A.V.	En	10-20744
1952 Guseva, K.A.	En	10-21803
1953 Saito, K.	En	10-22907
1954 Kurihara, M.	En	10-20020
1954 Maksimov, I.V.	En	10-20283
1955 Kurihara, M.	En	10-20021
1956 Christensen, E.M.	Co	10-23598
1956 Kurihara, M.	En	10-20022
1959 Alekseeva, K.I.	En	10-20282
1959 Apollov, B.A. & K.I. Alekseeva	En	10-20282
1959 Grinberg, V.M.	En	10-20889
1959 Snopkov, Iu.I. & V.M. Grinberg	En	10-20889
1959 Strokina, L.A.	En	10-20535
1959 Tabata, T.	En	10-20175
	En	10-20176
1959 Thirupad, P.U.V. (Ed.)	En	10-20312
	En	10-20411
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1960 Andriashev, A.P.	En	10-22295
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